# Journal of Applied Polymer Science

# Author Index to Volume 92


**Abad, M. J.** See Ramírez, C., 1576; Torres, A., 461

**Abanto-Bueno, J.**

—; Lambros, J.: Mechanical and fracture behavior of an artificially ultraviolet-irradiated poly(ethylene-carbon monoxide) copolymer, 139

**Abbasi, S. H.** See Abu-Sharkh, B.F., 2581

**Abdouss, M.**

—; Sanjani, N. S.; Azizinejad, F.; Shabani, M.: Effects of Compatabilization of Oxidized Polypropylene on PP Blends of PP/PA6 and PP/Talc, 2871

**Abu-Sharkh, B. F.**

—; Kahraman, R.; Abbasi, S. H.; Hussein, I.A.: Effect of Epolene E-43 as a Compatabilizer on the Mechanical Properties of Palm Fiber-Poly(propylene) Composites, 2581

**Acosta, J. L.** See Linares, A., 3030

**Adaikkalam, P.** See Selvi, P., 847

**Adhikari, R.**

—; Michler, G. H.; Goerlitz, S.; Knoll, K.: Morphology and Micromechanical Deformation Behavior of Styrene–Butadiene Block Copolymers. III. Binary Blends of Asymmetric Star Block Copolymer with General-Purpose Polystyrene, 1208

—; Michler, G. H.; Henning, S.; Godehardt, R.; Huy, T. A.; Goerlitz, S.; Knoll, K.: Morphology and Micromechanical Deformation Behavior of Styrene–Butadiene Block Coplolmers. IV. Structure–Property Correlation in Binary Block Copolymer Blends, 1219

**Agrawal, A. K.**

—; Singh, S. K.; Utreja, A.: Effect of Hydroperoxide Decomposer and Slipping Agent on Recycling of Polypropylene, 3247

**Agrawal, P.** See Mishra, A. K., 3107

**Aguilar, M.** See Maciel, A., 3275

**Ahmad, M. B.** See Harun, A., 3381

**Ahmad, S.** See Zafar, F., 2538

**Ahn, S. D.** See Yu, D.-G., 2970

**Aiba, S.** See Kweon, D.-K., 1716

**Akkoç, S.** See İnam, R., 2411

**Al-Adwani, H.** See Bishara, A., 2817

**Alam, R.** See Mondal, M. I. H., 3622

**Alex, R.** See Joseph, R., 3531; Varghese, S., 2063

**Alexandre, S.** See Kholdi, O.E., 2803

**Allcock, H. R.** See Maher, A.E., 2569

**Allen, N. S.** See Jasso, A. R., 280

**Allonas, X.** See Dossot, M., 1154

**Almdal, K.** See Chuai, C., 2747

**Alstrup, J.** See Chuai, C., 2747

**Al-Zubi, R. S.** See Weick, B.L., 3052

**Ambler, C. M.** See Maher, A. E., 2569

**Aminabhavi, T. M.**

—; Naidu, B. V. K.: Experimental and simulation Studies on Molecular Transport of Substituted Monocyclic Aromatic Liquids into Fluoropolymer Sheet Membranes: Liquid Structure–Diffusion, –Sorption, and –Permeation Relationships, 991

—; See Naidu, B.V. K., 2740; Toti, U.S., 2030

**Amou, S.**

—; Yamada, S.; Takahashi, A.; Nagai, A.; Tomoi, M.: Mechanical and Dielectric Properties of Cured 1,2-Bis(vinylphenyl)ethane Resin Modified with Poly(phenylene oxide), 1252

**Amrollahi, J.** See Salehi, S. M. A., 1049

**An, J. H.** See Yu, D.-G., 2970

**Andersson, T.**

—; Stålbom, B.; Wesslén, B.: Degradation of polyethylene during extrusion. II. Degradation of low-density polyethylene, linear low-density polyethylene, and high-density polyethylene in film extrusion, 684

**Ando, I.** See Yamane, Y., 1053

**Andrade, C. T.** See Souza, R. C. R., 2706

**Andrade, S. R.** See Jardini, A. L. M., 2387

**Anthonsen, H. W.** See Furuheim, K. M., 686

**Ao, N.-J.** See Zhang, B.-L., 3196

**Apostolov, A. A.** See Varghese, S., 543

**Arpin, G.** See Lundquist, L., 2132

**Arthanareeswaran, G.** See Mahendan, R., 3659

**Arun, A.**

—; Reddy, B. S. R.: Influence o fhte Comonomers (Styrene and Methyl Acrylate) on the Rate of Photocrosslinking of 4–phenyl Acrylate, 2494

**Asai, K.** See Inoue, S.-i., 2211

**Ashraf, S. M.** See Khan, M. A., 3514; Zafar, F., 2538

**Atvars, T. D. Z.** See Christoff, M., 830; Pedroso, A. G., 1834

**Augusta de Luca, M.**

—; Machado, T. E.; Notti, R. B.; Jacobi, M. M.: Synthesis and Characterization of Epoxidized Styrene–Butadiene Rubber/Silicon Dioxide Hybrid Materials, 798

**Auras, R.**

—; Harte, B., Selke, S.: Effect of Water on the Oxygen Barrier Proerties of Poly(ethylene terephthalate) and Polyacride Films, 1790

**Axelson, D. E.** See Furuheim, K. M., 686

**Azizinejad, F.** See Abdouss, M., 2871

**Baba, M.** See Sawada, H., 1144

**Babu K. M.** See Sen, K., 1080, 1098, 1116

**Bach, E. E.** See Filho, J. A. R., 1310

**Badr, Y.A.**

—; El-Kader, K. M. A.; Khafagy, R. M.: Raman Spectroscopic Study of CdS, PVA Composite Films, 1984

**Bae, J. Y.** See Yu, D.-G., 2970

**Baer, E.** See Poon, B. C., 109; Yu, J., 749

**Bafna, A.** See Mehta, S., 928

**Bahar, T.**

—; Tuncel, A.: Concanavalin A Attached Poly(*p*-chloromethylstyrene) Beads for Glycoenzyme Separation, 2116

**Bai, F.** See Chen, Z., 2777; Qiao, J., 14959

**Bai, L.-G.** See Ma, Z.-L., 1388

**Bajpai, R.** See Mishra, A. K., 3107

**Bajpai, S. K.**

—; Saxena, S.: Enzymatically Degradable and pH-Sensitive Hydrogels dor Colon-Targeted Oral Drug Delivery. I. Synthesis and Characterization, 3630

**Bakar, A. A.** See Zurina, M., 3320
**Bala, P.**
—; Samantaray, B. K.; Srivastava, S. K.; Nando, G. B.: Organomodified Montmorillonite as Filler in Natural and Synthetic Rubber, 3583
**Bandopadhay, D.**
—; Tarafdar, A.; Panda, A. B.; Pramanik, P.: Surface Modification of Low-Density Polyethylene Films by a Novel Solution Base Chemical Process, 3046
**Barbani, N.** See Mano, V., 743
**Barbosa, R. V.**
—; Baumhardt-Neto, R.; Mauler, R. S.; José, Carlos; Gorga, P.; Schneider, C. G.: Use of Pyrolysed Oil Shale as Filler in Poly(ethylene-co-vinyl Alcohol), 1658
**Barral, L.** See Ramírez, C., 1576; Torres, A., 461
**Barrière, B.** See Gagnard, C., 676
**Basri, M.** See Harun, A., 3381
**Basu, D. K.** See Ghosh, A. K., 1231
**Bathista, A. L. B. S.** See Tavares, M. I. B., 2151
**Batur, C.** See Ergungor, Z., 474
**Baumhardt-Neto, R.** See Barbosa, R. V., 1658
**Bazgir, S.**
—; Katbab, A. A.; Nazockdast, H.: Silica-Reinforced Dynamically Vulcanized Ethylene–Propylene–Diene Monomer/Polypropylene Thermoplastic Elastomers: Morphology, Rheology, and Dynamic Mechanical Properties, 2000
**Behera, A. K.** See Patra, M., 2480
**Behera, R. K.** See Patra, M., 2480
**Behzad, T.**
—; Sain, M.: Cure Study of an Acrylic Resin to Develop Natural Fiber Composites, 757
**Bejev, A. A.** See Kozlov, G. V., 2558
**Bellare, A.** See Pavoor, P. V., 439
**Berger, C.** See Graiver, D., 3231
**Bernède, J. C.** See del Valle, M. A., 1346
**Berthold, F.** See Lundquist, L., 2132
**Bertini, F.**
—; Canetti, M.; Ricci, G.: Crystallization and Melting Behavior of 1,2-Syndiotactic Polybutadiene, 1680
**Bhat, G. S.**
—; Jangala, P. K.; Spruiell, J. E.: Thermal Bonding of Polypropylene Nonwovens: Effect of Bonding Variable on the Structure and Properties of the Fabrics, 3593
**Bhawal, S.**
—; Reddy, L. H.; Murhty, R. S. R.; Devi, S.: Effect of a Polymerizable Cosurfactant on the Microstructure and Drug-Release Properites of Nanoparticles Synthesized through Emulsion Polymerization, 402
**Bhowmick, A. K.** See Sadhu, S., 698
**Bhushan, B.**
—; Tao, Z.: Mechanical, Hygroscopic, and Thermal Properties of Metal Particle and Metal Evaporated Tapes and Their Individual Layers, 1319
**Biagiotti, J.** See López-Manchado, M. A., 3394
**Bicu. I.**
—; Mustata, F.: Ketone Derivatives of Diels-Alder Adducts of Levopimaric Acid with Acrylic Acid and Maleic Anhydride: Synthesis, Characterization, and Polymerization, 2240
**Bide, M.** See Choi, H.-M., 3343
**Biederman, H.** See Choukourov, A., 979
**Bimendina, L. A.** See Didukh, A. G., 1042
**Bishara, A.**
—; Al-Adwani, H.; Shaban, H. I.: Copolyesters of Poly(Butylene Terephthalate), 1,4-Naphthalene Dicarboxylic Acid, and Hysroquinone Diacetate: A Simple Rate Model, 2817
**Blaauw, R.** See can den Oever, M. J. A., 2961
**Black, M. S.** See Wiegel, K.N., 3097
**Bletsos, I. V.** See Papaspyrides, C. D., 301
**Boeriu, C. G.** See can den Oever, M. J. A., 2961
**Bokias, G.** See Chourdakis, N., 3466
**Bondia, I.** See Marti, M., 3252
**Bondini, M. E.** See del Valle, M. A., 1346
**Bonner, C. E.** See Maaref, S., 317
**Bordado, J. C. M.** See Pinto, M. L., 2045
**Bouza, R.** See Ramírez, C., 1576
**Boyanova, M.** See Ngyen-Chung, T., 3362
**Boyard, N.**
—; Vayer, M.; Sinturel, C.; Erre, R.; Delaunay, D.: Modeling PVTX Diagrams: Application to Various Blends Based on Unsturated Polyester—Influence of Thermoplastic Additive, Fillers, and Reinforcements, 2976
**Branco, J. R. T.**
—; Campos, S. R. V.; Duarte, L. T.; Lins, V. d. F. C.: Combustion-Thermal-Sprayed Recycled Poly(ethylene terephthalate), 3159
**Breebaart, I.** See Nymeijer, D. C., 323
**Brook, M. A.** See Liang, L., 2284
**Brus, J.** See Špírková, M., 937
**Bunel, C.** See Kholdi, O. E., 2803
**Buonomenna, M. G.**
—; Figoli, A.; Jansen, J. C.; Drioli, E.: Preparation of Asymmetric PEEKWC Flat Membranes with Different Microstructures by Wet Phase Inversion, 576
**Buruiana, E. C.**
—; Niculescu, V.; Buruiana, T.: New Polyurethane Cationomers with Naphthyl and Phenyltriazene Pendants: Synthesis and Properties, 2599
**Buruiana, T.** See Buruiana, E.C., 2599
**Butler, G. B.** See Inishi, Y., 3022
**Butler, L. N.**
—; Fellows, C. M.; Gilbert, R. G.: Effect of Surfactant Systems on the Water Sensitivity of Latex Films, 1813

**Cabeza, C.** See Dolz, M., 2653
**Cai, B.-X.**
—; Permselectivity of Polymide Composite Membrane Modified by Solvent, 1005
**Cai, C.** See Wang, M., 126
**Cai, Q.** See Zhang, Y., 2038
**Cakmak, M.** See Ergungor, Z., 474
**Camili, S. T.** See Unsal, E., 607
**Camli, S. T.**
—; Unsal, E.; Senel, S.; Tuncel, A.: Chromatographic Performance of Monodisperse Macroporous Particles Produced by Modified Seeded Polymerization. II. The Effect of the Diluent/Seed-Latex Ratio, 3685
**Campos, S. R. V.** See Branco, J. R. T., 3159
**Can, H. K.** See Kavlak, S., 2698
**Canetti, M.** See Bertini, F., 1680
**Cano, J.** See Ramírez, C., 1576; Torres, A., 461
**Carvalho, A. P.** See Pinto, M. L., 2045
**Casanovas, A.** See Dolz, M., 2653
**Castell, P.**
—; Wouters, M.; de With, G.; Fischer, H.; Huijs, F.: Surface Modification of Poly(propylene) by Photoinitiators: Improvement

of Adhesion and Wettability, 2341
**Çaykara, T.**
—; Effect of Maleic Acid Content on Network Structure and Swelling Properties of Poly(*N*-isopropylacrylamide-*co*-maleic acid) Polyelectrolyte Hydrogels, 763
—; See İnam, R., 2411
**Celleja, F. J. B.** See Ngyen-Chung, T., 3362
**Ceylan, N. N.**
—; Ilter, Z.: Binding of Methyl Orange or Ethyl Orange Dyes by Some Dioxolane Copolymers: Synthesis of the Copolymers and Thermodynamics of the Dye–Copolymer Interactions3355
**Chaki, T. K.** See Mohanraj, G. T., 2179
**Chakraborty, A.** See Gupta, Y. N., 1737; Mohanraj, G. T., 2179
**Chalamet, Y.** See David, J. C., 2357
**Chang, F.-C.** See Chen, W.-Y., 892; Huang, C.-F., 1824
**Chang, I.-S.** See Lee, J. S., 517
**Chang, K.-C.** See Wang, H.-W., 2402
**Chang, Y.**
—; Xu, Q.; Han, B.; Wang, Y.; Liu, M.; Zhao, Q.: Supercritical $CO^2$ Assisted Processing of Polystyrene/Nylon 1212 Blends and $CO^2$-Induced Epitaxy on Nylon 1212, 2023
**Chang, Y.-P.** See Yeh, J.-M., 1970
**Chappelow, C. C.** See Smith, R. E., 62
**Chauhan, G. S.**
—; Mahajan, S.; Sddiqui, K.; Gupta, R.: Immobilization of Lipase on Hydrogels: Structural Aspects of Polymeric Matrices as Determinants of Enzyme Activity in Different Physical Environments, 3135
**Chen, C.-C.**
—; Don, T.-M.; Lin, T.-H.; Cheng, L.-P.: A Kinetic Study on the Autocatalytic Cur Radiation of a Cyanate Ester Resin, 3067
—; See Yeh, J.-T., 2528
**Chen, C.-L.** See Yeh, J.-M., 631, 1072; Yu, Y.-H., 3573
**Chen, C.-T.** See Lee, R. H., 1432
**Chen, C.-Y.,** 2450
**Chen, D.-J.** See Zhang, Q.-H., 1653
**Chen, F.** See Liu, C., 171; Xu, X.-J., 3080
**Chen, G.**
—; Guo, S.; Li, Y.: Dynamic Rheological Properties of High-Density Polyethylene/Polystyrene Blends Extruded in the Presence of Ultrasonic Oscillations, 3153
—; See Li, X., 2189
**Chen, J.** See Li, A., 1596
**Chen, J.-C.** See Hsiue, G.-H., 3126
**Chen, K.**
—; Tang, X.; Chen, S.; Fu, G.: Study on the Macrokinietics of Poly(trimethylene terephthalate) Polycondensation Reaction, 1765
**Chen, L.-B.** See Wu, L.-C., 1302
**Chen, L.-P.**
—; Ying, K.-L.; Hsu, K.-C.: Amphibious Water-Soluble Copolymer. I. Its Synthesis and Dispersing Ability on Barium Titanite, 2232
**Chen, M.** See Zhang, B.-L., 3196; Zhou, F., 1695
**Chen, Q.** See Tang, J., 373
**Chen, S.**
—; Qiu, F.; Tan, L.: The Study of Poly(styrene-*co*-*p*-(hexafluoro-2-hydroxylisopropyl)-α-methylstyrene)/Poly(ethylene oxide) Blends, 2312
—; See Chen, K., 1765; Wu, C., 2693
**Chen, T.-Y.** See Liang, W.-J., 1264
**Chen, W.** See Song, B., 1553
**Chen, W.-Y.**
—; Wang, Y.-Z.; Chang, F.-C.: Study on Curing Kinetics and Curing Mechanism of Epoxy Resin Based on Diglycidyl Ether of Bisphenol A nad Melamine Phosphate, 892
**Chen, X.-P.**
—; Shan, G.-R.; Huang, J.; Huang, Z.-M.; Weng, Z.-X.: Synthesis and properties of acrylic-based superabsorbent, 619
**Chen, Y.**
—; Worley, S. D.; Huang, T. S.; Weese, J.; Kim, J.; Wei, C.-I.; Williams, J. F.: Biocidal polystyrene beads. IV. Functionalized methylated polystyrene, 368
—; Worley, S. D.; Huang, T. S.; Weese, J.; Kium, J.; Wei, C.-I.; Williams, J. F.: Biocidal polystyrene beads. III. Comparison of *N*-halamine and quat functional groups, 363
—; Yuan, H., 2765, 2771; Zao, W., 960
**Chen, Y.-C.** See Yeh, J.-M., 631
**Chen, Z.**
—; Liu, Y.; Zhang, C.; Bai, F.: Synthesis and Properties of Photoluminescent Copolymer containing 1,3,4-Oxadiazole and Carbazole Rings, 2777
—; Suzuki, M.; Kimura, M.; Kondo, Y.; Hanabusa, K.; Shirai, H.: Synthesis and Characterization of Spinning Poly(acrylonitrile-*co*-silk fibroin peptide)s, 1540
**Cheng, C.-F.** See Yeh, J.-M., 1970
**Cheng, F.** See Wei, Y., 351
**Cheng, G.** See Pang, X., 2675; Qu, R., 1646
**Cheng, H.-M.** See Tong, X., 3697
**Cheng, K.** See Zhang, Y., 722
**Cheng, L.**
—; Jian, X.G.: Synthesis of New Soluble Aromatic Poly(amide imide)s from Unsymmetrical Extended Diamine Containing Phthalazinone Moiety, 1516
**Cheng, L.-P.** See Chen, C.-C., 3067
**Cheng, M.** See Song, B., 1553
**Cheng, S.** See Peng, H., 532
**Cheng, X.-H.**
—; Wu, J.; Xie, C.-Y.: Effect of Rare Earth Elements Surface Treatment on Tensile Properties of Aramid Fiber-Reinforced Epoxy Composites, 1037
**Cheng, Y.-B.** See Shen, Z., 2101
**Cheng, Z.** See Li, X., 2189
**Chern, J.-M.**
—; Lee, W.-F.; Hsieh, M.-Y.: Preparation and Swelling Characterization of Poly(*n*-isopropylacrylamide)-Based Porous Hydrogels, 3651
**Cheung, W. H.** See Wong, Y.C., 1633
**Chiellini, E.**
—; Cinelli, P.; Solaro, R.; Laus, M.: Thermomechanical Behavior of Poly(vinyl alcohol) and Sugar Cane Bagasse Composites, 426
**Chin, W.-K.** See Shu, W.-J., 2375
**Chinwanitcharoen, C.** See Ito, K., 1243
**Chiriac, A. P.**
—; Polymerization in a Magnetic Field. 14. Possibilities to Improve Field Effect during methyl acrylate* Polymerization, 1031
**Chiu, H.-J.** See Shu, W.-J., 2375
**Cho, J. W.**
—; Jung, Y. C.; Chun, B. C.; Chung, Y.-C.: Water Vapor Permeability and Mechanical Properties of Fabrics Coated with Shape-Memory Polyurethane, 2812
**Cho, S. K.** See Lee, S. B., 2612
**Choee, J.-H.**
—; Lee, S. J.; Lee, Y. M.; Rhee, J. M.; Lee, H. B.; Khang, G.: Proliferation Rate of Fibroblast

cells on polyethylene surfaces with wettability gradient, 599
**Choi, H.-M.**
—; Bide, M.; Phaneuf, M.; Quist, W.; LoGerfo, F.: Dyeing of Wool with Antibiotics to Develop Novel Infection Rsistance Materials for Extracorpeal End Use, 3343
**Choi, J.-H.** See Lee, S.-H., 2054
**Choi, K.-Y.** See Kim, J.-H., 178
**Choi, S.-J.** See Seo, H.-U., 165
**Choi, W.-H.** See Park, E.-S., 1611
**Choi, W. M.** See Kim, M. H., 2144
**Chong, K. F.**
—; Schmidt, H.; Kummerlöwe, C.; Kammer, H. W.: Crystalization of poly(tetramethylene succinate) in blends with poly(Î-caprolactone) and poly(ehtylene terephtalate), 149
**Choudhary, M. S.** See Maiti, A. K., 2442
**Choukourov, A.**
—; Biederman, H.; Kholodkov, I.; Salvainska, D.; Trchova, M.; Hollander, A.: Properties of Amine-Containing Coatings Prepared by Plasma Polymerization, 979
**Chourdakis, N.**
—; Bokias, G.; Staikos, G.: Poly(*N*-isopropylacrylamide) Grafted to a Strongly Charged Backbone: Thermorespionsive Behavior in Aqueous Solution, 3466
**Christoff, M.**
—; YaMaki, S. B.; de Oliveira, M. G.; Atvars, T. D. Z.: Detection of residual Acidic Groups in Several Poly(*N*-alkyl methacrylate)s Using Photophysical and Photochemical Probes, 830
**Chu, H.-C.** See Wang, H.-W., 2402
**Chuah, H. H.**
—; Effect of Process Variables on Bulk Developement of Air-Textured Poly(trimethylene terephthalate) Bulk Continuous Filaments, 1011
**Chuai, C.**
—; Li, S.; Almdal, K.; Alstrup, J.; Lyngaae-Jørgensen, J.: Influence of Diblock Copolymer on the Morphology and Properties of Polystyrene/Poly(dimethylsiloxane) Blends, 2747
**Chum, S. P.** See Poon, B. C., 109
**Chun, B. C.** See Cho, J. W., 2812
**Chung, K.-H.** See Lee, D.-Y., 2395
**Chung, T.-S.** See Zhou, C., 1758
**Chung, Y.-C.** See Cho, J. W., 2812
**Cimmino, S.**
—; Silvestre, C.; Della Vecchia, G.: Morphology and Properties of Isotactic Polypropylene Modified with Hydrocarbon Reisn MBG273. I. Binary Blends, 3454
**Cinelli, P.** See Chiellini, E., 426
**Ciolino, A.**
—; Vallés, E. M.; Failla, M. D.: Melt Grafting of 10-Undecenoic Acid onto Linear Low Density Polyethylene, 2303
**Coderch, L.** See Marti, M., 3252
**Coffin, D. R.** See Liu, L., 1893
**Cohen, R. E.** See Pavoor, P. V., 439
**Cooke, P. H.** See Liu, L., 1893
**Corcione, C. E.**
—; Greco, A.; Maffezzoli, A.: Photopolymerization Kinetics of an Epoxy-based Resin for Stereolithography, 3484
**Costa, P. M.** See Tavares, M. I. B., 2151
**Crivello, J. V.**
—; Falk, B.; Zonca, M. R., Jr.: Study of Cationic Ring-Opening Photopolymerizations Using Optical Pyrometry, 3303
**Cui, N.** See Wan, C., 1521

**Dai, J.** See Hou, A., 2008
**Dan, Y.** See Yang, M., 2522
**Darwish, N. A.** See Shehata, A. B., 3119
**Das, A.** See Ghosh, A. K., 1231
**Das, P.**
—; Saikia, C. N.; Dass, N. N.: Thermal Behavior of Some Homogeneously Polymethyl Methacrylate Grafted High α-Cellulose Products, 3471
**Das, S.** See Sarathi, R., 2169
**Dass, N. N.** See Das, P., 3471
**Daud, W. M. A. W.** See Heidarian, J., 2504
**David, J. C.**
—; Chalamet, Y.; Taha, M.: Reactive Processing of Nonmiscible Polymers: Shear Rate Effect, 2357
**Deb, P. C.** See Phadnis, S., 2318
**de Carvalho, M. B.** See Pinto, M. L., 2045
**De Doncker, P.** See Roose, P., 3226
**Deglise, X.** See Yin, S., 3499
**de la Orden, M. U.**
—; Matías, M. C.; Urreaga, J. M.: Spectroscopic Study of the Modification of Cellulose with Polyethylenimines, 2196
**Delaunay, D.** See Boyard, N., 2976
**del Castillo, L. F.** See Hernández-Sánchez, F., 970
**Delegido, J.** See Dolz, M., 2653
**Della Vecchio, G.** See Cimmino, S., 3454
**Delmotte, L.** See Geller, B., 243
**del Valle, M. A.**
—; Ugalde, L.; Díaz, F. R.; Bodini, M. E.; Bernède, J. C.: Effect of Working Conditions on the Morphology of Electrosynthesized Polyfuran, 1346
**de Meneses, S. M.** See Martins, A. F., 2425
**Deng, H.** See Song, W., 2076
**Deng, W.-Y.** See Zhang, B.-L., 3196
**Deng, X.** See Yang, H., 1625
**de Oliveira, M. G.** See Christoff, M., 830
**de Queiro, A. A. A.** See Filho, J. A. R., 1310
**de Rooij, M.** See García, M., 1855
**Dessouki, A. M.** See Hegazy, E.-S. A., 2642
**Devi, S.** See Bhawal, S., 402
**de With, G.** See Castell, P., 2341
**Dhamodharan, R.** See Nasrullah, J. M., 1902
**Díaz, F. R.** See del Valle, M. A., 1346
**Dickson, J. M.** See Liang, L., 2284
**Didukh, A. G.**
—; Koizhaiganova, R. B.; Bimendina, L. A.; Kudaibergenov, S. E.: Synthesis and Characterization of Novel Hydrophobically Modified Polybetaines as Pour Point Depressants, 1042
**Díez, F. J.** See Torres, A., 461; Ramírez, C., 1576
**Dineff, P. D.** See Vladkova, T. G., 95
**Ding, M.** See Gao, C., 2415
**Ding, M.-X.** See Zhang, Q.-H., 1653
**Di Serio, M.** See Tesser, R., 1875
**Dole, P.** See Pennarun, P. Y., 2845
**Doleček, V.** See Fras, L., 3186
**Dolz, M.**
—; Hernández, M. J.; Cabeza, C.; Casanovas, A.; Delegido, J.: Analysis of Stability of Food Emulsion by Eyring's Theory: Influence of Different Biopolymers, 2653
**Don, T.-M.** See Chen, C.-C., 3067
**Dong, J.**
—; Liu, Z.; Han, N.; Wang, Q.; Xia, Y.: Preapration, Morphology, and Mechanical Properties of Elastomers Based on α,ω-Dihydroxy-polydimethylsiloxane/polystyrene Blends, 3542
**Dong, Q.**
—; Liu, Y.: Free-radical Grafting of Acrylic Acid onto Osotactic

Polypropylene Using Styrene as a Comonomer in Supercritical Carbon Dioxide, 2203
**Dong, X.** See Zhang, X., 552
**Dossot, M.**
—; Obeid, H.; Allonas, X.; Jacques, P.; Fouassier, J. P.; Merlin, A.: Photopolymerization of Acrylates in the Presence of Phenolic Derivatives: Role of the Photoinitiating System, 1154
**Drenski, M. F.**
—; Reed, W. F.: Simultaneous Multple Sample Light Scattering for Analysis of Polymer Solutions, 2724
**Drioli, E.** See Buonomenna, M. G., 576
**Du, L. C.**
—; Meng, Y. Z.; Wang, S. J.; Tjong, S. C.: Synthesis and Degradation Behavior of Poly(Propylene Carbonate) Derived from Carbon Dioxide and Propylene Oxide, 1840
**Du, S.-Y.** See Guo, Z.-S., 3338
**Du, Y.** See Kang, K., 433
**Duarte, L. T.** See Branco, J. R. T., 3159
**Duarte, M. L. B.** See Jasso, A. R., 280
**Dumon, M.** See Sannier, L., 2621
**Dürrschmidt, Th.**
—; Hoffmann, H.: Film-Forming Process from Globular Polytetrafluoroethylene Latex Particles, 733

**Eğri, S.** See Güldoğan, Y., 3675
**Eguiazábal, J. I.** See Guerrica-Echevarria, G., 1559
**Eick, J. D.** See Smith, R. E., 62
**El-Aal, S. E.A.** See Hegazy, E.-S. A., 2642
**Elices, M.**
—; Pérez-Rigueiro, J.; Plaza, G.; Guinea, G.V.: Recovery in Spider Silk Fibers, 3537
**El-Kader, K. M. A.** See Badr, Y.A., 1984
**Ergungor, Z.**
—; Batur, C.; Cakmak, M.: On Line Measurement of Crystallinity of Nylon 6 Nanocomposites by Laser Raman Spectroscopy and Neural Networks, 474
**Erre, R.** See Boyard, N., 2976
**Evrensel, C.** See Fuchs, A., 1176

**Faghihi, K.**
—; Hajibeygi, M.: Synthesis and Properties of New Poly(amide imide)s Containing Trimellitic Rings and Hydantoin Moieties in the Main Chain under Microwave Irradiation, 3447
**Failla, M. D.** See Ciolino, A., 2303
**Fakirov, S.** See Ngyen-Chung, T., 3362
**Falk, B.** See Crivelo, J. V., 3303
**Fan, C.-L.** See Liaw, D.-J., 2486
**Fan, Z.** See Peng, H., 532
**Faucher, P.** See Zanetti, M., 672
**Favela-Torres, E.** See Manzur, A., 265
**Feigenbaum, A.** See Pennarun, P. Y., 2845, 2859
**Fellers, J. F.** See Jacob, G. C., 3218
**Fellows, C. M.** See Butler, L. N., 1813
**Feng, S.** See Xu, S.-M., 728
**Feng, X.-S.** See Liu, H.-G., 3524
**Feng, Z.**
—; Liu, M.; Wang, Y.; Zhao, L.: Preparation of Hyperbranced Polyester Photoresists for Moniatured Optics, 1259
**Fevola, M. J.** See Johnson, K. M., 647, 658
**Figoli, A.** See Buonomenna, M. G., 576
**Filho, J. A. R.**
—; Bach, E. E.; Vargas, R. R.; Soares, D.A.W.; de Queiroz, A. A. A.: An Investigation of Cadmium(II) and Nickel(II) Adsorption by Chitin Graft Copolymer, 1310
**Filho, N. P.** See Tavares, M. I. B., 2151
**Finelli, L.**
—; Fiorini, M.; Siracusa, V.; Lotti, N.; Munari, A.: Synthesis and Characterization of Poly(ethylene Isophthalate-*co*-ethylene Terephthalate) Copolyesters, 186
—; Lorenzetti, C.; Messori, M.; Sisti, L.; Vannini, M.: Comparison Between Titanium Tetrabutoxide and a New Commercial Titanium Dioxide Based Catalyst Used for the Synthesis of Poly(Ethylene Terephthalate), 1887
**Fiorini, M.** See Finelli, L., 186
**Fischer, H.** See Castell, P., 2341
**Fishman, M. L.** See Liu, L., 1893
**Flaim, T. D.** See Singh, R. K., 770
**Folkers, B.** See Nymeijer, D. C., 323
**Forelnı, I.** See Hlavatá, D., 2431
**Fouassier, J. P.** See Dossot, M., 1154
**Fraga, L.** See Núñez, L., 1190
**Fras, L.**
—; Laine, J.; Stenius, P.; Stana-Kleinschek, K.; Ribiisch, V.; Doleček, V.: Determination of Dissociable Groups in Natural and Regenerative Cellulose Fibers by Different Titration Methods, 3186
**Friedrich, K.** See Rong, M. Z., 1771
**Frölich, J.**
—; Thomann, R.; Gryshchuk, O.; Karger-Kocsis, J.; Mülhaupt, R.: High-Performance Epoxy Hybrid Nanocomposites Containing Organophilic Layered Silicates and Compatabilized Liquid Rubber, 3088
**Fu, G.** See Chen, K., 1765
**Fu, R.**
—; Wang, F.; Tang, L.; Lei, Y.; Lui, N.; Liang, M.: Studies on the Fabrication of Strong-acid/Weak-base Amphoteric Ion Exchange Fibers and Their Adsorption Property for Amino Acids, 418
**Fu, S. K.** See Zhang, Y., 839
**Fu, Y.** See Hu, K., 1478
**Fuchs, A.**
—; Xin, M.; Gordaninejad, F.; Wang, X.; Hitchcock, G. H.; Gecol, H.; Evrensel, C.; Korol, G.: Development and Characterization of Hydrocarbon Polyol Polyurethane and Silicone Magnetorheological Polymeric Gels, 1176
**Fuenmayor, M.** See Soto, G., 1397
**Fujiyama, M.**
—; Kondou, M.: Effect of Degree of Polymerization on Gelatin and Flow Processability of Poly(vinyl chloride), 1915
**Fukishima, T.** See Oishi, T., 2552
**Fukura, S.** See Sathanon, U., 856
**Furuheim, K. M.**
—; Axelson, D. E.; Anthonsen, H. W.; Helle, T.: Erratum, 686

**Gagnard, C.**
—; Germain, Y.; Keraudren, P.; Barrière, B.: Permeability of Semicrystalline Polymers to Toluene/Methanol Mixture, 676
**Gal, Y.-S.** See Seo, H.-U., 165
**Gallegos, P.** See Rivas, B. L., 2917
**Gance, D.** See Yuxiang, L., 2369
**Gao, C.**
—; Zhang, S.; Gao, L.; Ding, M.: Microwave-Assisted Synthesis of High-Molecular-Weight Poly(ether imide)s by Phase-Transfer Catalysts, 2415
**Gao, J.-G.** See Ma, Z.-L., 1388
**Gao, L.** See Gao, C., 2415
**Gao, L.-X.** See Zhang, Q.-H., 1653
**Gao, Q.** See Lan, P., 2163
**Gao, S.** See Yang, G., 77
**Gao, W.** See Zheng, Z., 2733

**García, M.**
—; de Rooij, M.; Winnubst, L.; van Zyl, W. E.; Verweij, H.: Friction and Wear Studies on Nylon-6/$SiO_2$ Nanocomposites, 1855
**García-Garabal, S.** See Ramírez, C., 1576
**Garcia-Garabal, S.** See Torres, A., 461
**Gatos, K. G.** See Varghese, S., 543
**Gearing, B. P.** See Pavoor, P. V., 439
**Geckler, K. E.** See Rivas, B. L., 2917
**Gecol, H.** See Fuchs, A., 1176
**George, B.** See Yin, S., 3499
**Georgiadou, K. L.**
—; Tsatsaroni, E. G.; Kehayoglou, A. H.: Sythesis and Characterization of Hetarylazo, Disperse Dyes Derived from Subsituted *N*-β-Acetoxyethylanilines—Application on Cellulose Acetate, 3479
**Germain, Y.** See Gagnard, C., 676
**Gfeller, B.**
—; Properzi, M.; Zanetti, M.; Pizzi, A.; Pichelin, F.; Lehmann, M.; Delmotte, L.: Wood bonding by mechaically-induced *in situ* welding of polymeric structural wood constituents, 243
**Ghannam, M. T.**
—; Creep-recovery experimental investigation of crude oil-polymer emulisons, 226
**Ghasem, N. M.** See Heidarian, J., 2504
**Ghosh, A. K.**
—; Das, A.; Basu, D. K.: Effect of Bis(diisopropyl)thiophosphoryl Disulfide on the Covulcanization of Styrene–Butadiene Rubber and Ethylene–Propylene–Diene (Monomer) Blends, 1231
—; See Pal, J., 102
**Gilbert, R. G.** See Ren, W., 1813
**Giusti, P.** See Mano, V., 743
**Godehardt, R.** See Adhikari, R., 1219
**Goerlitz, S.** See Adhikari, R., 1208, 1219
**Goh, S. H.** See Zhou, C., 1758
**Gong, K.** See Zhang, Y., 2038
**González, I. M.** See Soto, G., 1397
**Gonzalez, R. I.**
—; Phillips, S. H.; Hoflund, G. B.: *In Situ* Atomic Oxygen Erosion Study of Fluoropolymer Films Using X-ray Photoelectron Spectroscopy, 1977
**González-Núñez, R.** See Villarreal, M. E., 2545
**Gordaninejad, F.** See Fuchs, A., 1176
**Gorga, P.** See Barbosa, R. V., 1658
**Gorga, R. E.** See Pavoor, P. V., 439
**Gospodinova, D. N.** See Vladkova, T. G., 95
**Gou, M.** See Zhan, F., 3417
**Govindaraj, B.**
—; Sastry, N. V.; Venkataraman, A.: Studies on γ-$Fe_2O_3$-High-Density Polyehtylene Composites and Their Additives, 1527
**Grady, B. P.** See Lekpittaya, P., 2629
**Graiver, D.**
—; Waikuyl, L. H.; Berger, C.; Narayan, R.: Biodegradabel Soy Protein–Polyester Blends by Reactive Extrusion Process, 3231
**Greco, A.**
—; Maffezzoli, A.: Powder-shape Analysis and Sintering Behavior of High-Density Polyethylene Powders for Rotational Molding, 449
—; See Esposito, C., 3484
**Griffin, A. C.** See Wiegel, K. N., 3097
**Groeninckx, G.** See Oommen, Z., 252
**Gryshchuk, O.** See Frölich, J., 3088
**Gu, Q.** See Wu, C., 2693
**Guerrica-Echevarria, G.**
—; Eguiazábal, J. I.; Nazábal, J.: Partially Miscible Belnds Based on a Polyarylate and Poly(trimethylene terephthalate), 1559
**Guhanathan, S.**
—; Hariharan, R.; Sarojadevi, M.: Studies on Caster Oil-Based Polyurethane/Polyacrylonitrile Interpenetrating Polymer Network for Toughening of Unstaturated Polyester Resin, 817
**Guinea, G. V.** See Elices, M., 3537
**Güldoğan, Y.**
—; Eğri, S.; Rzaev, Z. M. O.; Piskin, E.: Comparison of Maleic Anhydride Grafting onto Powder and Granular Polypropylene in the Melt by Reactive Extrusion, 3675
**Güner, A.** See Kavlak, S., 2698
**Guo, J.** See Zhang, L., 878
**Guo, S.** See Chen, G., 3153
**Guo, Z.-S.**
—; Du, S.-Y.; Zhang, B.-M.; Wu, Z.-J.: Modeling the Curing Kinetics for a Modified Bismaleimide Resin Using Isothermal DSC, 3338
**Gupta, A.**
—; Singhal, R.; Nagpal. A. K.: Reactive Blends of Epoxy Resin (DGEBA) Crosslinked by Anionically Polymerized Polycaprolactam: Process of Epoxy Cure and Kinetics of Decomposition, 687
**Gupta, R.** See Chauhan, G. S., 3135
**Gupta, S.**
—; Mendon, S. K.; Thames S. F.: Weathering Studies of Epoxidized and Hydroxy-Fluoroester Pendent Guayule Rubber in Powder Coatings, 493
**Gupta, Y. N.**
—; Chakraborty, A.; Pandy, G. D.; Setua, D. K.: Thermal and Thermooxidative Degradation of Engineering Thermoplastics and Life Estimation, 1737
**Guthrie, J. R.** See Smith, R. E., 62
**Guzman, P.** See Kotek, R., 1724

**Ha, D. I.** See Lee, S. B., 2612
**Ha, H.** See Liu, Z., 2995
**Ha, M. H.**
—; Kim, M. S.; Kim, W.; Lee, M. C.; Kim. H. D.: Effects of the Blending Sequence in Polyolefin Ternary Blends, 804
**Hadano, S.**
—; Maehara, S.; Onimura, K.; Yamasaki, H.; Tsutsumi, H.; Oishi, T.: Syntheses and Biodegradability of Benzylated Waste Pulps and Graft Copolymers from PBzs and L-Lactic Acid, 2658
**Hajibeygi,M.** See Faghihi, K., 3447
**Hall, D. B.** See Singh, R. K., 770
**Hamielec, A.** See Kolodka, E., 307
**Hammawa, H.**
—; Mannan, T. M.; Lynch, D. T.; Wanke, S. E.: Effects of Aluminum Alkyls on Ethylene/1-Hexene Polymerization with Supported Metallacene/MAO Catalysts in the Gas Phase, 3549
**Han, B.** See Chang, Y., 2023
**Han, C. W.** See Lee, S. J., 2784
**Han, J. H.** See Hong, S.-I., 335
**Han, N.** See Dong, J., 3542
**Han, S.** See Kim, K., 2069
**Han, S.-H.** See Lee, J. S., 517
**Hanabusa, K.** See Chen, Z., 1540
**Hanada, Y.** See Nonaka, T., 116
**Hande, V.R.** See Phadnis, S., 2318
**Hanykova, L.** See Lokaj, J., 1863
**Haralur, G.** See Sanner, M. A., 1666
**Haran, A.**
—; Basri, M.; Ahmad, M. B.; Salleh, A. B.: Enantioselective Esterification Reactgion Using Immobilized *Candida rugosa* Lipase on Poly(*N*-vinyl-2-pyrrolidone-*co*-styrene) Hydrogel, 3381

**Hariharan, R.** See Guhanathan, S., 817
**Harnsiri, W.** See Supaphol, P., 201
**Harte, B.** See Auras R., 1790
**Hashiguchi, H.** See Shin, Y.-W., 2949
**Hashimoto, K.**
—; Sudo, M.; Sugimura, T.; Inagaki, Y.: Synthesis of Novel Block Copolymers Containing Polyamide4 Segments and Control of Their Biodegradability, 3492
**Hashimoto, T.** See Miyata, T., 72
**Hašová, V.** See Hlavatá, D., 2431
**Hassan, M. A.** See Shehata, A. B., 3119
**Hassan, M. M.** See Khan, M. A., 18
**He, A.**
—; Yao, W.; Huang, B.; Huang, Y.; Jiao, S.: Properties of a New Synthetic Rubber: High-Trans 1,4-Poly(butadiene-*co*-isoprene) Rubber, 2941
**He, Q.** See Qiao, J., 1459
**He, W.-D.**
—; Ye, F.-M.; Wang, Y.-M.; Li, L.-F.: Preparation of Narrowly Distributed Nanoparticles of Poly(*n*-butyl methacyrlate-*co*-vinyl pyrrolidone) through Microemulsion Polymerization, 2334
**Hegazy, E.-S. A.**
—; El-Aal, S.E.A.; Taleb, M.F.A.; Dessouki, A.M.: Radiation Synthesis and Characterization of Poly(*N*-vinyl-2-pyrrolidone/acrylic acid) and Poly(*N*-vinyl-2-pyrrolidone/acrylamide) Hydrogels for Some Metal-Ion Separation, 2642
**Heidarian, J.**
—; Ghasem, N. M.; Daud, W. A. M. W.: Kinetics of Polymerization of Dimer Fatty Acids with Ethylenediamine, 2504
**Helle, T.** See Furuheim, K. M., 686
**Henning, S.** See Adhikari, R., 1219
**Hermann, D.**
—; Ramkumar, S. S.; Seshaiyer, P.; Parameswaran, S.: Frictional Study of Woven Fabrics: the relationship between the Friction and Velocity of Testing, 2420
**Hernández, M. J.** See Dolz, M., 2653
**Hernández-Sánchez, F.**
—; del Castillo, L. F.; Vera-Graziano, R.: Isothermal Crystallization Kinetics of Polypropylene by Differential Scanning Calorimetry. I. Experimental Conditions, 970
**Hesse, N. D.**
—; White, R. L.: Polyethylene Catalytic Hydrocracking by PtHZSM-5, PtHY and PtHMCM-41, 1293
**Hicks, K. B.** See Liu, L., 1893
**Hiltner, A.** See Poon, B. C., 109; Yu, J., 749
**Hirai, T.** See Watanabe, M., 3644
**Hirotsu, T.** See Otsuki, T., 812
**Hirt, D. E.** See Luo, N., 1589, 1688
**Hitchcock, G. H.** See Fuchs, A., 1176
**Hlavatá, D.**
—; Hromádková, J.; Fortelnı, I.; Hašová, V.; Pulda, J.: Compatibilization Efficiency of Styrene–Butadiene Triblock Copolymers in Polystyrene–Polypropylene Blends with Varying Compositions, 2431
—; See Špírková, M., 937
**Hoa, S. V.** See Wu, L., 2261
**Hoffmann, H.** See Dürrschmidt, Th., 733
**Hoflund, G. B.** See Gonzalez, R. I., 1977
**Hogen-Esch, T. E.** See Inishi, Y., 3022; Zhuang, D., 1279
**Holder, A. J.** See Smith, R. E., 62
**Hollander, A.** See Choukourov, A., 979
**Holler, J.** See Lokaj, J., 1863
**Homper, D.** See Rivas, B.L., 2917
**Hong, K. H.**
—; Oh, K. W.; Kang, T. J.: Polyaniline-Nylon 6 Composite Fabric for Ammonia Gas Sensor, 37
**Hong, P.-D.** See Hong, S.-J., 3211
**Hong, S.-I.**
—; Han, J. H.; Krochta, J. M.: Optical and Surface Properties of Whey Protein Isolate Coatings on Plastic Films as Influenced by Substrate, Protein Concentraiotn, and Plasticizer Type, 335
**Hong, S.-J. H.**
—; Huang, H.-T.; Hong, P.-D.: Effects of Solvenbt Adsorption on Solution Properties of Poly(vinyl alcohol)/Dithetylsulfoxide/Water Ternary systems, 3211
**Hong, S.-Y.** See Park, E.-S., 1611
**Hori, N.** See Nge, T. T., 2930
**Hou, A.**
—; Xie, K.; Dai, J.: Effect of Supercritical Carbon Dioxide Dyeing Conditions on the Chemical Morphological Changes of Poly(ethylene terephthalate) Fibers, 2008
**Hoven, V. P.**
—; Rattanakarun, K.; Tanaka, Y.: Reduction of Offensive Odor from Natural Rubber by Odor-Reducing Substances, 2253
**Hristov, V.N.**
—; Krumova, M.; Vasileva, S.; Michler, G.H.: Modified Polypropylene Wood Flour Composites. II. Fracture, Deformation, and Mechanical Properties, 1286
**Hromádková, J.** See Hlavatá, D., 2431
**Hsieh, M.-Y.** See Chern, J.-M., 3651
**Hsieh, Y.-L.** See McClain, A., 218
**Hsiue, G.-H.**
—; Lu, P.-L.; Chen, J.-C.: Multienzyme-Immobilized Modified Polypropylene Membrane for an Amperometric Creatine Biosensor, 3126
**Hsu, K.-C.** See Chen, L.-P., 2232
**Hsu, W.-P.**
—; Phase Behavior of Ternary Polymer Blends with Hydrogen Bonding, 2797
**Hu, K.**
—; Xu, T.; Fu, Y.; Yang, W.: Preparation of Novel Semihomogenous Cation-Permeable Membranes from Blends of Sulfonated Poly(phelnylene sulfide) and Sulfonated Phenolphthalein Poly(ether ether ketone), 1478
**Hu, X.** See Lan, P., 2163; Liang, G., 1950; Pei, M., 2637
**Hu, Z.-F.** See Yang, Z.-G., 1493
**Huang, B.** See He, A., 2941
**Huang, C.**
—; Zhang, Li: Miscibility of poly(vinylidene fluoride) and atactic poly(methyl methacrylate), 1
**Huang C.-F.**
—; Wang, S.-K.; Kuo, S.-W.; Huang, W.-J.; Chang, F.-C.: Momopolymerization and Copolymerization of *tert*-Butyl Methacrylate and Norbornene with Nickel-Based Methaluminoxane Catalysts, 1824
**Huang, C. Y.** See Lee, R. H., 1432
**Huang, G.** See Qian, S., 1584
**Huang, H.** See Jiang, X., 1437
**Huang, H.-T.** See Hong, S.-J., 3211
**Huang, H.-Y.** See Yeh, J.-M., 631, 1072, 2269
**Huang, J.** See Chen, X.-P., 619
**Huang, Q.** See Yang, G., 77

**Huang, S.-Q.** See Xiao, H.-W., 357
**Huang, S.-S.** See Yeh, J.-T., 2528
**Huang, T. S.** See Chen, Y., 363, 368
**Huang, W.-J.** See Huang, C.-F., 1824
**Huang, Y.** See He, A., 2941; Ruan, W., 1618; Wang, L., 213; Wu, C., 2693
**Huang, Z.**
—; Xie, Z.; Li, Z.: Crosslinking Reaction of Polyacrylate Soap-Free Hydrosol with Zirconium Chelate, 3605
—; See Li, E., 1939
**Huang, Z.-M.** See Chen, X.-P., 619
**Huijs, F.** See Castell, P., 2341
**Hussein, I. A.** See Abu-Sharkh, B. F., 2581
**Husson, S. M.** See Luo, N., 1589, 1688
**Huy, T. A.** See Adhikari, R., 1219

**Ilter, Z.** See Ceylan, N. N., 3355
**Imahashi, S.** See Sakaguchi, Y., 2903
**Inagaki, Y.** See Hashimoto, K., 3492
**Inaki, K.** See Miyata, T., 72
**İnam, R.**
—; Çaykara, T.; Akkoç, S.; Kantoğlu, Ö.: Investigation of ZnO-Relaese Behavior of Poly(*N*-isopropylacrylamide-*co*-maleic acid)/ZnO Composite Hydrogels by Differential Pulse Polarography, 2411
**Inoue, S.-i.**
—; Morita, K.; Asai, K.; Okamoto, H.: Preparation and Properties of Elastic Polyimide-Silica Compoksites using Silanol Sol from Water Glass, 2211
**Isayev, A. I.** See Yun, J., 132
**Ishak, Z. A. M.** See Yow, B. N., 506
**Ishaku, U. S.** See Yow, B. N., 506
**Ishihara, H.** See Ito, K., 1243
**Ishikawa, T.**
—; Maki, I.; Takeda, K.: Flame Retardancy of Poly(butylene terephthalate) Blended with Phosporous Compounds, 2326
**Ismail, H.** See Zurina, M., 3320
**Isogai, A.** See Obokata, T., 1847
**Ito, K.**
—; Nonomura, C.; Yamashita, K.; Suzuki, T.; Chinwanitcharoen, C.; Yamada, T.; Ishihara, H.: Analysis of Surface Structure with Regard to Interfacial Delamination on Polyester Films with Imcompatible Polymers, 1243
**Ivankovic, H.** See Macan, J., 498
**Ivankovic, M.** See Macan, J., 498
**Izumi, S.** See Shimizu, Y., 2758

**Jacob, G. C.**
—; Felers, J. F.; Starbuck, J. M.; Simunovic, S.: Crashworthiness of Automotive Composite Material Systems, 3218
**Jacobi, M. M.** See Augusta de Luca, M., 798
**Jacques, P.** See Dossot, M., 1154
**Jang, K.** See Liu, H.-G., 3524
**Jang, L. W.** See Park, E.-S., 1611, 3508
**Jang, S.** See Zhen, H., 920
**Jangala, P. K.** See Bhat, G. S., 3593
**Jansen, J. C.** See Buonomenna, M. G., 576
**Jardini, A. L. M.**
—; Maciel, R. F.; Scarparo, M. A. F.; Andrade, S. R.; Moura, L. F. M.: Advances in Sterolithography: A New Experimental Technique in the Production of a Three-Dimensional Plastic Model with an Infared Laser, 2387
**Jasso, A. R.**
—; Duarte, M. L. B.; Allen, N. S.: Synergistic effect between hindered amine light stabilizers and partially hindered oligomeric amines in polyethylene, 280
**Jayakumar, R.**
—; Lee, Y.-S.; Nanjundan, S.: Synthesis and Coating Characteristics of Novel Calcium-Containing Poly(urethane ethers), 710
**Jeong, H. M.** See Kim, B. K., 1672
**Jeong, J.-W.** See Park, E.-S., 1611
**Ji, B. C.** See Kim, S. S., 1426
**Ji, C.** See Qu, R., 1646
**Jia, W.**
—; Tchoudakov, R.; Narkis, M.; Siegmann, A.: Bulk Conductive Polymers Prepared from Nylon-6/6,9 Copolymer/$CuCl_2$ Compounds, 1367
**Jian, X. G.** See Cheng, L., 1516
**Jiang, J.** See Liang, L., 2284
**Jiang, L.-Y.**
—; Wei, K.-H.: Reduced Copper Diffusion in Layered Silicate/Fluorinated Polyimide (6FDA-ODA) Nancompoksites, 1422
**Jiang, T.** See Xiao, H.-W., 357
**Jiang, X.**
—; Huang, H.; Zhang, Y.; Zhang, Y.: Dynamically Cured Polypropylene/Epoxy Blends, 1437
**Jiang, Z.** See Zhang, Y., 2038
**Jiao, S.** See He, A., 2941
**Jin, R.** See Wu, D., 2714
**Jin, S.-H.** See Seo, H.-U., 165
**Jin, Y.** See Zhang, L., 878
**Jin, Z.-K.** See Yang, Z.-G., 1493
**John, H.**
—; Thomas, R. M.; Mathew, K. T.; Joseph, R.: Studies on the dielectric properties of poly(*o*-toluídine) and poly(*o*-toluìdine-anílíne) copolymer, 592
**John, M.**
—; Jose, J.; Mathew, B.: Synthesis, characterization, and catalytic activity of 4 mol % *N,N'* - methylene bisacrylamide crosslinked poly(acrylic acid)-metal complexes, 272
**Johnson, K. M.**
—; Fevola, M. J.; Lochhead, R. Y.; McCormick, C. L.: Hydrophobically modified acrylamide-based polybetaines. II. Interaction with surfactants in aqueous solution, 658
—; Fevola, M. J.; McCormick, C. L.: Hydrophobically modified acrylamide-based polybetaines. I. Synthesis, characterization and stimuli-responsive solution behavior, 647
**Joo, C. W.** See Lee, Y. E., 2295
**José, C.** See Barbosa, R. V., 1658
**Jose, J.** See John, M., 272
**Joseph, R.**
—; Alex, R.; Madhusoodana, K. N.; Premalatha, C. K.; Kuriakose, B.: Use of Epoxidized Rubber Seed Oil as a Coupling Agent and a Placticizer in Silica-Filled Natural Rubber Compounds, 3531
—; See John, H., 592
**Juneja, H. D.** See Michael, P. E. P., 2278
**Jung, D.-W.** See Kotek, R., 1724
**Jung, Y. C.** See Cho, J. W., 2812
**Junkasem, J.** See Supaphol, P., 201
**Jurowski, B.** See Pesetskii, S. S., 1702

**Kabeya, H.** See Otsuki, T., 812
**Kaesaman, A.** See Nakason, C., 3561
**Kahraman, R.** See Abu-Sharkh, B. F., 2581
**Kaitkamjornwong, S.**
—; Pairpisit, K.: Natural Rubber/Ethylene Propylene Diene Blends for High Insulation Iron Corossarms, 3401
**Kamata, K.** See Suzuki, A., 1449, 1454
**Kamišová, H.** See Špírková, M., 937
**Kammer, H. W.** See Chong, K. F., 149
**Kan, C. Y.** See Kang, K., 433
**Kanamori, T.** See Kim, S. Y., 2082
**Kanekiyo, M.** See Yamane, Y., 1053
**Kang, B.-Y.** See Lee, J. S., 517

**Kang, K.**
—; Kan, C. Y.; Du, Y.; Liu, D. S.: Control of Particle Size and Carboxyl Group Distribution in Soap-free Emulsion Copolymerization of Methyl Methacrylateethyl Acrylate-acrylic Acid, 433
**Kang, P. H.** See Kim, J.-i., 394
**Kang, S.-Y.** See Yu, D.-G., 2970
**Kang, T. J.** See Hong, K. H., 37
**Kannan, P.** See Srividhya, D., 194
**Kantoğlu, Ö.** See İnam, R., 2411
**Karger-Kocsis, J.** See Frölich, J., 3088; Varghese, S., 543; Yow, B. N., 506
**Kasemo, B.** See Øiseth, S. K., 2833
**Katbab, A. A.** See Bazgir, S., 2000
**Kato, J.** See Morita, T., 1183
**Katoh, K.**
—; Shibayama, M.; Tanabe, T.; Yamauchi, K.: Preparation and Properties of Keratin-poly(vinyl Alcohol) Blend Fiber, 683
**Kavlak, S.**
—; Can, H. K.; Güner, A.: Interaction of Poly(maleic anhydride-*alt*-acrlic acid) with Transition Metal Cations, $Ni^{2+}$, $Cu^{2+}$, and $Cd^{2+}$: A Study by UV–Vis Spectroscopy and Viscosimetry, 2698
**Kavousian, A.**
—; Ziaee, F.; Nekoomanesh, M. H.; Leamen, M. J.; Penlidis, A.: Determination of Monomer Reactivity Ratios in Styrene/2-Ethylhexylacrylate Copolymer, 3368
**Kawahara, K.** See Sakaguchi, Y., 2903
**Kawasaki, N.** See Kweon, D.-K., 1716
**Kawase, T.** See Sawada, H., 1144
**Kehayoglou, A. H.** See Georgiadou, K. L., 3479
**Kenny, J. M.** See López-Manchado, M. A., 3394
**Keraudren, P.** See Gagnard, C., 676
**Khafagy, R. M.** See Badr, Y. A., 1984
**Khan, M. A.**
—; Shehrzade, S.; Hassan, M. M.: Effect of All Ultraviolet (UV) Radiation Pretreatment on Physical and Mechanical Properties of 1,6-Hexanediol Diacrylate-grafted Jute Yarn by UV Radiation, 18
—; Ashraf, S. M.; Malhotra, V. P.: Eucalyptus Bark Lignin Substituted Phenol Formaldehyde Adhesive: A Study on Optimization of Reaction Parameters and Characterization, 3514
**Khang, G.** See Choee, J.-H., 599; Lee, S. J., 2784
**Kharitonov, A. P.**
—; Moskvin, Y. L.; Syrtsova, D. A.; Starov, V. M.; Teplyakov, V. V.: Direct Fluorination of the Polymide Matrimid® 5218: The Formation Kinetics and Physiochemical Properites of the Fluorinated Layers, 6
**Khastgir, D.** See Mohanraj, G. T., 2179
**Kholdi, O. E.**
—; Lecamp, L.; Lebaudy, P.; Bunel, C.; Alexandre, S.: Modification of Adhesive Properties of a Polyethylene Film by Photografting, 2803
**Kholodkov, I.** See Choukourov, A., 979
**Kihara, N.** See Matsumura, S., 1869
**Kim, B. K.**
—; Shon, K. H.; Jeong, H. M.: Modification of Polystyrene by Reactive Extrusio with Peroxide and Trimethylolpropane Triacrylate, 1672
—; See Ha, M. H., 804
**Kim, D.-J.** See Lim, S.-W., 3266
**Kim, D. S.**
—; Lee, K.M.: Polymerization Kinetics and Thermal Properties of Dicanate/Clay Nanocomposites, 1955
**Kim, D.-W.**
—; Noh, S.-T.: Synthesis and Surface-Active Properties of a Trisiloxane-Modified Oligo(propylene oxide-*block*-ethylene oxide) Wetting Agent, 3292
**Kim, G.-T.** See Park, E.-S., 1611
**Kim, H. D.** See Ha, M. H., 804
**Kim, H.-G.**
—; Oh, D.-H.; Lee, H.-B.; Min, K.-E.: Effect of Reactive Dilutents on Properties of Unsaturated Polyester/Montmorillonite Nanocomposites, 238
**Kim, H. I.** See Kim, S. J., 915
**Kim, H.-J.** See Lee, B.-H., 625
**Kim, H. K.** See Park, E.-S., 3508
**Kim, J.** See Chen, Y., 363, 368
**Kim, J. H.,** 1426; Kotek, R., 1724
**Kim, J.-H.**
—; Kim, Y. H.; Kim, Y. J.; Won, J. C.; Choi, K.-Y.: Synthesis and Characterization of Novel Aromatic Condensation Polymers Containing Rigid Benzoxazole Pendent Groups, 178
**Kim, J.-I.**
—; Kang, P. H.; Nho, Y. C.: Positive Temperature Coefficient Behavior of Polymer Composites Having a High Melting Temperature, 394
**Kim, J. K.** See Yang, N. C., 3112
**Kim, J. M.** See Kim, M. H., 2144
**Kim, K.**
—; Sung, W.; Park, H.; Lee, Y.; Han, S.; Kim, W.: Hydrophobic Properties of Ethylene–Vinyl Alcohol Copolymer Treated with Plasm Source Ion Implantation, 2069
**Kim, K.-M.** See Lee, D.-Y., 2395
**Kim, K.-N.** See Lee, D.-Y., 2395
**Kim, M. S.** See Ha, M. H., 804
**Kim, M. H.**
—; Park, C.I.; Choi, W. M.; Lee, J. W.; Lim, J. G.; Park, O.O.; Kim. J. M.: Synthesis and Material Properties of Syndiotactic Polystyrene/Organophilic Clay Nanocomposites, 2144
**Kim, S.** See Liu, H.-G., 3524
**Kim, S. I.** See Kim, S. J., 915; 1467, 1473, 1731
**Kim, S. J.**
—; Kim, H. I.; Shin, S. R.; Kim, S. I.: Electrical Behavior of Chitosan and Poly(hydroxyethyl methacrylate) Hydrogel in the Contact System, 915
—; Lee, C. K.; Kim, S. I.: Characteriztion of the Water State of Hyaluronic Acid and Poly(vinyl alcohol) Interpenetrating Polymer Networks, 1467
—; Lee, C. K.; Kim, S. I.: Electrical/pH Responsive Properties of Poly(2-acrylamido-2-methylpropane sulfonic acid)/Hyaluronic Acid Hydrogels, 1731
—; Lee, K. J.; Kim. S. I.: Electrostimulus Responsive Behavior of Poly(acryly acid/Polyacrylonitrile Semi-Interpenetrating Polymer Network Hydrogels, 1473
**Kim, S. S.**
—; Soe, I. S.; Yeum, J. H.; Ji, B. C.; Kim, J. H.; Kwak, J. W.; Yoon, W. S.; Noh, S. K.; Lyoo, W. S.: Rheological Properties of Water Solutions of Syndiotactic Poly(vinyl alcohol) of Different Molecular Weights, 1426
**Kim, S.-W.**
—; Lim, J.-C.; Kim, D.-J.; Seo, K.-H.: Synthesis and Characteristics of Biodegradable Copolyesters from

the Transesterification of Poly(butylene adipate-*co*-succinate) and Poly(ehtylene terephthalate), 3266
**Kim, S. Y.**
—; Kanamori, T.; Noumi, Y.; Wang, P.-C.; Shinbo, T.: Preparation of Porous Poly(D,L-lactide) and Poly(D,L-lactide-*co*-glycolide) Membranes by a Phase Inversion Process and Investigation of Their Morphological Changes as Cell Culture Scaffolds, 2082
**Kim. W.** See Ha, M. H., 804; Kim, K., 2069
**Kim, W. G.**
—; Lee, J. Y.: Cure Properties of Methacrylate-type Prepolymer That Include Cyclohexane Moiety, 43
**Kim, Y.**
—; White, J. L.: Melt-Interaction Nanocomposites with Fluorinated Polymers and a Correlation for Nanocomposite Formation, 1061
**Kim, Y. H.** See Kim, J.-H., 178
**Kim, Y. J.** See Kim, J.-H., 178
**Kimura, M.** See Chen, Z., 1540
**Knoll, K.** See Adhikari, R., 1208, 1219
**Koh, B.-K.** See Lee, E.-J., 861
**Koizhaiganova, R. B.** See Didukh, A. G., 1042
**Koizumi, S.** See Yamane, Y., 1053
**Kojima, K.** See Tanimura, M., 468
**Kolodka, E.**
—; Wang, W.-J.; Zhu, S.; Hamielec, A.: Rheological and Thermomechanical Properties of Long-chain-branched Polyethylene Prepared by Slurry Polymerization with Metallocene Catalysts, 307
**Koloski, T.** See Yu, J., 749
**Kondo, Y.** See Chen, Z., 1540
**Kondou, M.** See Fujiyama, M., 1915
**Korol, G.** See Fuchs, A., 1176
**Kostoryz, E. L.** See Smith, R. E., 62
**Kotek, R.**
—; Jung, D.-W.; Kim, J. H.; Smith, B.; Guzman, P.; Schmidt, B.: Surface Hydrolysis of Filaments Based on Poly(trimethylene terephthalate) Spun at High Spinnning Speeds, 1724
**Kotsilkova, R.**
—; Nesheva, D.; Krusteva, E.; Stavrev, S.: Rheological, Electrical, and Microwave Properties of Polymers with Nanosized Carbon Particles, 2220
**Koverzanov, E. V.** See Shelgaev, V. N., 2351
**Kozlov, G. V.**
—; Bejev, A. A.; Lipatov, Y. S.: The Fractal Analysis of Curing Processes of Epoxy Resins, 2558
—; Shustov, G. B.; Zaikov, G. E.: Estimation of the Oxygen-Limiting Amount Consumed by Polymeric Melt in the Thermooxidative Degradation Process, 2840
—; Zaikov, G. E.: Prediction of Kinetic Curves of Oxygen Consumption on a Thermooxidative Degradation Process for Polymer Melts, 3601
**Krakovsky, I.** See Lokaj, J., 1863
**Krivoguz, Y. M.** See Pesetskii, S. S., 1702
**Krochta, J. M.** See Hong, S.-I., 335
**Krozer, A.** See Øiseth, S. K., 2833
**Krumova, M.** See Hristov, V. N., 1286
**Krusteva, E.** See Kotsilkova, R., 2220
**Kudaibergenov, S. E.** See Didukh, A. G., 1042
**Kumar, A.** See Sharma, A. L., 1374
**Kumar, C. R. A.** See Sarathi, R., 2169
**Kumar, G. S. V.**
—; Mathew, B.: Effect of the Nature and Degree of Crosslinking on the Catalase-Like Activity of Polystyrene-Supported Schiff Base-Metal Complexes, 1271
**Kumar, H. B. R.** See Thimmegowda, M. C., 1355
**Kumar, K. S.** See Sasikumar, P. G., 288
**Kume, T.** See Xu, L., 3002
**Kummerlöwe, C.** See Chong, K. F., 149
**Kuo, P.-L.** See Liang, W.-J., 1264
**Kuo, S.-W.** See Huang, C.-F., 1824
**Kuo, T.-H.** See Yeh, J.-M., 1072
**Kuriakose, B.** See Joseph, R., 3531; Varghese, S., 2063
**Kurihara, S.**
—; Yoshioka, T.; Zahangir, A. M.; Ogata, T.; Nonaka, T.: Preparation of Composites of Polymer Liquid Crystal/Cholesteric Liquid Crystal and Their Photochemical Switching and Memory Properties by Photoisomerization of a Chiral Azobenzene Molecule, 2577
—; See Nonaka, T., 116
**Kuroki, S.** See Yamane, Y., 1053
**Kusuktham, B**
—; Srukkulkit, K.: One-Pot Synthesis of Polymeric Beas Bearing Surface Charge, 1375
**Kwak, J.W.,** 1426
**Kwakami, H.** See Taketani, Y., 3016
**Kweon, D.-K.**
—; Kawasaki, N.; Nakayama, A.; Aiba, S.: Preparation and Characterization of Starch/Polycaprolactone Blend, 1716
—; See Lee, E.-J., 861

**Lai, M. F.** See Li, J., 2514
**Lai, W.-C.**
—; Liau, W.-B.: Study of the Miscibility and Crystallization Behavior of Poly(ethylene oxide)/Poly(vinyl alcohol) Blends, 1562
**Lai, W. Y.** See Yang, I-K., 25
**Laine, J.** See Fras, L., 3186
**Lambros, J.** See Abanto-Bueno, J., 139
**Lan, P.**
—; Zhang, Y.; Gao, Q.; Shao, H.; Hu, X.: Studies on the Synthesis Thermal Properties of Copoly(L-lactic acid/glycolic acid) by Direct Melt Polycondensation, 2163
**Laus, M.** See Chiellini, E., 426
**Lausmaa, J.** See Øiseth, S. K., 2833
**Law, P. H.** See Shim, V. P. W., 523
**Leamen, M. J.** See Kavousian, A., 3368
**Lebaudy, P.** See Kholdi, O. E., 2803
**Lecamp, L.** See Kholdi, O. E., 2803
**Lee, B.-H.**
—; Kim, H.-J.: Curing Behaviors of Korean *Dendropanax* Lacquer Determined by Chemical and Physical Measures, 625
**Lee, C. I.** See Yang, N. C., 3112
**Lee, C. K.** See Kim, S. J., 1467, 1731
**Lee, D.-Y.**
—; Oh, Y.-I.; Chung, K.-H.; Kim, K.-M.; Kim, K.-N.: Mechanism Study on Surface Activation of Surfactant-Modified Polyvinyl Siloxane Impression Materials, 2395
**Lee, E.-J.**
—; Kweon, D.-K.; Koh, B.-K.; Lim, S.-T.: Physical Characteristics of Sweet Potato Pulp/Polycaprolactone Blends, 861
**Lee, H. B.** See Choee, J.-H., 599; Lee, S. J., 2784
**Lee, H.-B.** See Kim, H.-G., 238

**Lee, J. S.**
—; Nam, Y. S.; Kang, B.-Y.; Han, S.-H.; Chang, I.-S.: Vitamin A Microencapsulatation within Poly(methyl methacrylate)-*g*-Polyethylenimine Microspheres: Localized Proton Buffering Effect on Vitamin A Stability, 517
**Lee, J. W.** See Kim, M. H., 2144
**Lee, J. Y.** See Kim, W. G., 43
**Lee, K. J.** See Kim, S. J., 1473
**Lee, K. M.** See Kim, D. S., 1955
**Lee, M. C.** See Ha, M. H., 804
**Lee, R. H.**
—; Hunag, C. Y.; Chen, C.-T.: Design of Organic Electroluminescent Displays with Ultraviolet-Shielding Filters, 1432
**Lee, S. B.**
—; Ha, D. I.; Cho, S. K.; Lee, Y. M.: Temperature/pH-Sensitive Comb-Type Graft Hydrogels Composed of Chitosan and Poly(*N*-isoprpylacrylamide), 2612
**Lee, S.-H.**
—; Park, S.-Y.; Choi, J.-H.: Fiber Formation and Physical Properties of Chitosan Fiber Crosslinked by Epichlorohydrin in a Wet Spinning System: The Effect of the Concentration of the Crosslinking Agent Epichlorohydrin, 2054
**Lee, S. J.**
—; Lee, Y. M.; Han, C. W.; Lee, H. B.; Khang, G.: Response of Human Chondrocytes on Polymer Surfaces with Different Micropore Sizes for Tissue-Engineeried Cartilage, 2784
—; See Choee, J.-H., 599
**Lee, W.-F.**
—; Yang, L.-G.: Superabsorbent Polymeric Materials. XI., Effect of Nonionic Monomers on the Swelling Behavior of Crosslinked Poly(sodium acrylate-*co*-nonionic monomers) in Aqueous Salt Solutions, 3666
—; Yang, L.-G.: Superabsorbent Polymeric Materials. XII. Effect of Montmorillonite on Water Absorbency for Poly(Sodium Acrylate) and Montmorillonite Nanocomposite Superabsorbents, 3422
—; See Chern, J.-M., 3651
**Lee, Y.** See Kim, K., 2069
**Lee, Y. E.**
—; Joo, C. W.: Sound Adsoption Properties of Thermally Bonded Nonwovens Based on Composing Fibers and Production Parameters, 2295
—; See Yu, D.-G., 2970
**Lee, Y.-I.** See Liu, H.-G., 3524
**Lee, Y. M.** See Choee, J.-H., 599; Lee, S. B., 2612; Lee, S. J., 2784
**Lee, Y.-S.** See Jayakumar, R., 710
**Lehmann, M.** See Gfeller, B., 243
**Lei, Y.** See Fu, R., 418
**Lekpittaya, P.**
—; Yanumet, N.; Grady, B. P.; O'Rear, E. A.: Resistivity of Conductive Polymer–Coated Fabric, 2629
**Leterrier, Y.** See Lundquist, L., 2132
**Leu, T.-S.**
—; Wang, C.-S.: Synergistic Effect of a Phosphorus-nitrogen Flame Retardant on Engineering Plastics, 410
**Lewaska, E.** See Lukaszczyk, J., 1510
**Li, A.**
—; Wang, A.; Chen, J.: Studies on Poly(acrylic acid)/Attapulgite Superabsorbent Composite. I. Synthesis and Characterization, 1596
**Li, C. P.** See Pan, Z. J., 901
**Li, E.**
—; Huang, Z.; Shi, G.; Qu, L.; Zhang, J.: Electrochemical Polymerization of β-Naphthalene Sulfonic Acid, 1939
**Li, H.,** 351
**Li, J.**
—; Lai, M. F.; Liu, J. J.: Effect of Poly(propylene carbonate) on the Crystallization and Melting Behavior of Poly(β-hydroxybutyrate-*co*-β-hydroxyvalerate), 2514
—; See Ni, X., 1945
**Li, K.** See Yeow, M.L., 1782
**Li, L.-F.** See He, W.-D., 2334
**Li, P.**
—; Yang, X.; Yu, Y.; Yu, D.: Cure Kinetics, Microheterogeneitv, and Mechanical Properties of the High-Temperature Cure of Vilyl Ester Resins, 1124
**Li, S.** See Chuai, C., 2747
**Li, X.**
—; Zhu, X.; Cheng, Z.; Xu, W.; Chen, G.: Atom-Transfer Radical Polymerization of Methyl Methacrylate with α,α′-Dicholroxylene/CuC1/*N,N,N,′N″,N″*-Pentamethyldiethylenetriamine Initiation System Under Microwave Irradiation, 2189
**Li, Y.** See Chen, G., 3153; See Liao, M., 3430; Qiao, J., 1459; Zheng, Z., 2733
**Li, Y.-W.** See Zhang, H.-H., 2363
**Li, Z.**
—; Shao, P.; Qin, J.: New Postfunctional Method To Synthesize $C_{60}$-Containing Poly(ethylene oxide), 867
—; See Huang, Z., 3605
**Liang, G.**
—; Hu, X.: Preparqtion and Performance of Aluminum Borate Whisker–Reinforced Epoxy Composites. I. Effect of Whiskers on Processing, Reactivity, and Mechanical Properties, 1950
**Liang, L.**
—; Dickson, J. M.; Jiang, J.; Brook, M. A.: Pervaporation of 1,2-Dimethoxyethane from Aqueous Solutions by Crosslinked Oligosilylstyrene–Poly (dimethylsiloxane) Composite Membranes, 2284
**Liang, M.** See Fu, R., 418
**Liang, W.-J.**
—; Chen, T.-Y.; Kuo, P.-L.: Solid Polymer Electrolytes. VII. Preparation and Ionic Conductivity of Gelled Polymer Electrolytes Based on Poly(ethylene glycol) Diglycidyl Ether Cured with α,ω-Diamino Poly(propylene oxide), 1264
**Liang, Z.-M.**
—; Wan, C.-Y.; Zhang, Y.; Wei, P.; Yin, J.: PVC/Montmorillonite Nanocomposites Based on a Thermally Stable, Rigid-rod Aromatic Amine Modifier, 567
**Liao, M.**
—; Zhu, J.; Xu, H.; Li, Y.; Shan, W.: Preparation and Structure and Mechanical Properties of Poly(Styrene-*b*-butadiene)/Clay Nanocomposites, 3430
**Liau, W.-B.** See Lai, W.-C., 1562
**Liaw, D.-J.**
—; Fan, C.-L.; Lin, C.-C.; Wang, K.-L.: Synthesis and Characterization of New Soluble Polyester-imides Containing Noncoplanar 2,2′-Dimethyl-4,4′-biphenylene Unit, 2486
—; See Yeh, J.-M., 1072; Yu, Y.-H., 3573
**Liberman, S. A.** See Pires, M., 2155
**Liggat, J. J.** See Mackintosh, A. R., 2791
**Lim, C. T.** See Shim, V. P. W., 523

**Lim, J.-C.** See Lim, S.-W., 3266
**Lim, J. G.** See Kim, M. H., 2144
**Lim, K. T.** See Seo, H.-U., 165
**Lim, S. T.**
—; Choi, H. J.; Jhon, M. S.: Rod Climbing Characteristics of α-$Fe_2O_3$ Suspended Polyisobutylene/Polybutene Solution, 1548
**Lim, S.-T.** See Lee, E.-J., 861
**Limón-González, M.** See Manzur, A., 265
**Lin, B.**
—; Sundararaj, U.: Visualization of Poly(ether imide) and Polycarbonate Blending in an Internal Mixer, 1165
**Lin, C.-C.** See Liaw, D.-J., 2486
**Lin, C.-G.** See Yeh, J.-M., 1970
**Lin, J.-C.** See Peng, M.-C., 2450
**Lin, T.-H.** See Chen, C.-C., 3067
**Lin, X. Z.** See Peng, M.-C., 2450
**Lin, Z.**
—; Qiu, Y.; Mai, K.: Crystallization and Melt Behavior of $Mg(OH)_2$/PP Composites Modified by Functionalized Polypropylene, 3610
**Linares, A.**
—; Acosta, J. L.: Structural Characterization of Polymer Blends Based on Polysulfones, 3030
**Lindström, M.** See Lundquist, L., 2132
**Lingala, P. S.** See Michael, P. E. P., 2278
**Lins, V. d. F. C.** See Branco, J. R. T., 3159
**Liou, S.-J.** See Wang, H.-W., 2402; Yeh, J.-M., 1970, 2269; Yu, Y.-H., 3573
**Lipatov, Y. S.** See Kozlov, G. V., 2558
**Liu, B.-H.** See Wu, L.-C., 1302
**Liu, C.**
—; Xiao, C.: Characterization of Films from Chitosan and Quanternized Poly(4-vinyl-*N*-butyl) Pyridine Solutions, 559
—; Zhang, J.; Shi, G.; Chen, F.: Doping Level Change of Polyaniline Film during Its Electrochemical Growth Process, 171
—; See Tong, X., 3697
**Liu, C.-F.** See Yeh, J.-M., 1072
**Liu, D.** See Zhao, K., 3144
**Liu, D. S.** See Kang, K., 433
**Liu, H.** See Tang, J., 373
**Liu, H.-G.**
—; Lee, Y.-I.; Qin, W.-P.; Jang, K.; Kim, S.; Feng, X.-S.: Distinct Composite Structure and Properties of $Eu(phen)_2C1_3(H_2O)_2$ in Poly(methyl methacrylate) and Polyvinylpyrrolidone, 3524
**Liu, H.-L.** See Zhang, B.-L., 3196
**Liu, J.** See Zhou, F., 1695
**Liu, J. J.** See Li, J., 2514
**Liu, L.**
—; Cooke, P. H.; Coffin, D. R.; Fishman, M. L.; Hicks, K. B.: Pectin and Polyacrylamide Composite Hydrogels: Effect of Pectin on Structural and Dynamic Mechanical Properties, 1893
**Liu, M.** See Chang, Y., 2023; Feng, Z., 1259; Zhan, F., 3417
**Liu, R. Y. F.** See Yu, J., 749
**Liu, S.** See Zhou, F., 1695
**Liu, W.**
—; Varley, R. J.; Simon, G. P.: Phosphorus-Containing Diamine For Fame-Retardant, High-Functionality Epoixy Resins. I. Synthesis, Reactivity, and Thermal Degradation Properties, 2093
—; Wang, Y.-J.; Sun, Z.: Crystallization Behavior of Starch-filled Polypropylene, 484
—; See Shao, X., 906; Wang, Y.-J., 344; Zhou, F., 1695
**Liu, X.** See Zhang, X., 552
**Liu, Y.** See Chen, Z., 2777; Dong, Q., 2203
**Liu, Y. T.** See Yeow, M. L., 1782
**Liu, Z.**
—; Yi, M.; Zhai, M.; Ha, H.; Luo, Z.; Xiang, X.: Radiation Synthesis and Environmental Responsivemness of Semi-Interpenetrating Polymer Networks Composed of Poly(dimethyl–aminoethyl methacrylate) and poly(ethylene oxide), 2995
—; See Dong, J., 3542
**Lochhead, R. Y.** See Johnson, K. M., 658
**LoGerfo, F.** See Choi, H.-M., 3343
**Lokaj, J.**
—; Krakovsky, I.; Holler, P.; Hanykova, L.: Synthesis and Chain Extension of Nitroxide-Terminated Styrene–Maleimide Copolymers, 1863
**Lomakin, S. M.** See Shelgaev, V. N., 2351
**Long, T. E.** See Pasquale, A., 3240
**López, J.** See Ramírez, C., 1576; Torres, A., 461
**López-de-Ullibarri, I.** See Torres, A., 461
**López-Manchado, M. A.**
—; Biagiotti, J.; Valentini, L.; Kenny, J.M.: Dynamic Mechanical and Raman Spectroscopy Studies on Interaction Between Single-Walled Carbon Nanotubes and Natural Rubber, 3394
—; Valle, M.; Sapunar, R.; Quijada, R.: Behavior of Poly(ethylene-*co*-olefin) Polymers as Elastomeirc Materials, 3008
**Lordanskii, A. L.** See Ol'khov, A. A., 1392
**Lorenzetti, C.** See Finelli, L., 1887
**Lotti, N.** See Finelli, L., 186
**Lu, H.-J.** See Yeh, J.-M., 2269
**Lu, H.-Y.** See Yeh, J.-M., 1072; Yu, Y.-H., 3573
**Lu, P.-L.** See Hsiue, G.-H., 3126
**Lu, S.** See Pang, X., 2675
**Lu, X.** See Yuan, H., 2765, 2771; Zhao, W., 960
**Lui, N.** See Fu, R., 418
**Luis, A.** See Maciel, A., 3275
**Lukaszczyk, J.**
—; Lewaska, E.; Lunkwitz, K.; Petzold, G.: Sorbents for Removable Surfactants from Aqueous Solutions: Surface Modification of Natural Solids to Enhance Sorption Ability, 1510
**Lundquist, L.**
—; Arpin, G.; Leterrier, Y.; Berthold, F.; Lindström, M; Månson, J.-A.E.: Alkali–Methanol–Anthraquinone Pulping of *Miscanthus x giganteous* for Thermoplastic Composite Reinforcement, 2132
**Lunkwitz, K.** See Lukaszczyk, J., 1510
**Luo, N.**
—; Husson, S. M.; Hirt, D. E.; Schwark, D. W.: Surface Grafting of Polyacrylamide from Polyethylene-Based Copolymer Film, 1589
—; Stewart, M. J.; Hirt, D. E.; Husson, S. M.; Schwark, D. W.: Surface Modification of Ethylene-*co*-Acrylic Acid Copolymer Films: Addition of Amide Groups by Covalently Bonded Amino Acid Intermediates, 1688
**Luo, W.-Q.** See Zhang, Q.-H., 1653
**Luo, Y.** See Zheng, Z., 2733
**Luo, Z.** See Liu, Z., 2995
**Lynch, D. T.** See Hammawa, H., 3549
**Lyngaae-Jørgensen, J.** See Chuai, C., 2747
**Lyoo, W. S.** See Kim, S. S., 1426

**Ma, C.-Y.** See Yeh, J.-M., 631
**Ma, S.** See Wang, M., 126
**Ma, Z.-L.**
—; Gao, J.-G.; Bai, L.-G.: Studies of Polypropylene–Intumescent Flame-Retardant Composites Based on Etched Polypropylene as a Coupling Agent, 1388
**Maaref, S.**
—; Roz, Z.; Sun, S.-S.; Seo, K.; Winston, K.; Bonner, C. E.: Fumaryl Chloride and Maleic Anhydride-derived Crosslinked Functional Polymers for Nonlinear Optical Waveguide Applications, 317
**Macan, J.**
—; Ivankovic, H.; Ivankovic, M.; Mencer, H. J.: Synthesis and Characterization of Organic-Inorganic Hybrids Based on Epoxy Resin and 3-Glycidyloxypropyltrimethoxysilane, 498
**Machado, T. E.** See Augusta de Luca, M., 798
**Maciel, A.**
—; Aquilar, M.; Luis, A.; Manero, O.: Production of Polymeric Membranes Made of Polyprpylene, Poly(ethylene-*co*-vinyl acetate), and Poly(vinyl alcohol), 3275
**Maciel, R. F.** See Jardini, A. L. M., 2387
**Mackintosh, A. R.**
—; Liggat, J. J.: Dynamic Mechanical Analysis of Poly(trimethylene terephthalate)—A Comparison with Poly(ethylene terephthalate) and Poly(ethylene naphthalate), 2791
**Madhusoodanan, K. N.** See Joseph, R., 3531
**Madkour, T. M.**
—; Step-Strain Stress Relaxation of Carbon Black-Loaded Natural Rubber Vulcvanizates, 3387
**Maehara, S.** See Hadano, S., 2658
**Maffezzoli, A.** See Esposito, C., 3484; Greco, A., 449
**Mahajan, S.** See Chauhan, G. S., 3135
**Mahendran, R.**
—; Malaisamy, R.; Arthanareeswaran, G.; Mohan, D.: Cellulose Acetate–Poly(ether sulfone) Blend Ultrafiltation Membranes. II. Application Studies, 3659
**Maher, A.E.**
—; Ambler, C. M.; Powell, E. S.; Allcock, H. R.: Dependency of Thermal and Mechanical Properties on the Composition of Mixed-Substituent Poly(fluoralkoxyphosphazenes), 2569
**Mai, K.** See Lin, Z., 3610
**Maiti, A. K.**
—; Choudhary, M. S.: Melt Grafting of *n*-Butyl Methacrylate onto Poly(vinyl chloride): Synthesis and Characterization, 2442
**Maki, I.** See Ishikawa, T., 2326
**Malaisamy, R.** See Mahendan, R., 3659
**Malhotra, B. D.** See Sharma, A. L., 1374
**Malhotra, V. P.** See Khan, M. A., 3514
**Mallakpour, S.**
—; Rafiee, Z.: Synthesis and Characterization of New Polymides Derived from 4-(4′-Aminophenyl)urazole and Aliphatic Diacid Chlorides, 3173
—; Shahmohammadi, M. H.: Microwave-Promoted Rapid Synthesis of New Optically Active Poly(amide imide)s Derived from *N,N′*-(Pyromellitoyl)-bis-Lisoleucine Diacid Chloride and Aromatic Diamines, 951
**Manero, O.** See Maciel, A., 3275
**Manich, A. M.** See Marti, M., 3252
**Mannan, T.M.** See Hammawa, H., 3549
**Mano, V.**
—; Scarpelli Ribeiro e Silva, M. E.; Barbani, N.; Giusti, P.: Binary Blends Based on Poly(*N*-isopropylacrylamide): Miscibility Studies with PVA, PVP, and PAA, 743
**Månson, J.-A. E.** See Lundquist, L., 2132
**Mantecón, A.** See Ramis, X., 381
**Manzur, A.**
—; Limón-González, M.; Favela-Torres, E.: Biodegradation of Physicochemically Treated LDPE by a Consortium of Filamentous Fungi, 265
**Marti, M.**
—; Manich, A.M.; Ussman, M.H.; Bondia, I.; Parra, J.L.; Coderch, L.: Internal Lipid Content and Viscoelastic Behavior of Wool Fibers, 3252
**Martins, A. F.**
— ; de Meneses, S.M.; Visconte, L.L.Y.; Nunes, R.C.R.: Mechanical and Dynamical Properties of Chloroprene Rubber and Cellulose II Composites, 2425
**Mas, C.** See Ramis, X., 381
**Maschke, U.** See Sannier, L., 2621
**Matějka, L.** See Špírková, M., 937
**Mathew, B.** See John, M., 272; Kumar, G. S. V., 1271
**Mathew, K. T.** See John, H., 592
**Matías, M. C.** See de la Ordern, M. U., 2196
**Matsumura, S.**
—; Kihara, N.; Takata, T.: Properties of a Few Aromatic Poly(thioether ketones) as Sulfur-Containing High-Performance Polymers, 1869
**Matsuo, T.** See Morita, T., 1183
**Mauler, R. S.** See Barbosa, R. V., 1658; Pires, M., 2155
**Maureira, A.** See Shin, Y.-W., 2955
**May, A.** See Sanner, M. A., 1666
**McClain, A.**
—; Hsieh, Y.-L.: Synthesis of Polystyrene-supported Dithiocarbamates and Their Complexation with Metal Ions, 218
**McCormick, C. L.** See Johnson, K. M., 647, 658
**McKay, G.** See Wong, Y. C., 1633
**Mehta, S.**
—; Mirabella, F. M.; Rufener, K.; Bafna, A.: Thermoplastic Olefin/Clay Nanocomposites: Morphology and Mechanical Properties, 928
**Meira, G. R.** See Soto, G., 1397
**Melo, B. N.**
—; Pasa, V. M. D.: Thermal and Morphological Study of Polyurethanes Based on Eucalyptus Tar Pitch and Castor Oil, 3287
**Mencer, H. J.** See Macan, J., 498
**Mendon, S. K.** See Gupta, S., 493
**Meng, Y. Z.** See Du, L. C., 1840
**Mennig, G.** See Ngyen-Chung, T., 3362
**Mergler, Y. J.**
—; Schaake, R. P.: Relation Between Strain Hardening and Wear Resistance of Polymers, 2689
**Merlin, A.** See Dossot, M., 1154; Yin, S., 3499
**Messori, M.** See Finelli, L., 1887
**Mewis, J.** See Oommen, Z., 252
**Miao, W.** See Zhang, S., 161
**Michael, P. E. P.**
—; Lingala, P. S.; Juneja, H. D.; Paliwal, L. J.: Synthetic, Structural, and Thermal Degradation of a Tercopolymer

Derived from Salicylic Acid, Guanidine, and Formaldehyde, 2278
**Michler, G. H.** See Adhikari, R., 1208, 1219; Hristov, V. N., 1286
**Mikitaev, A. K.** See Shelgaev, V. N., 2351
**Miller, M.** See Smith, R. E., 62
**Min, K.-E.** See Kim, H.-G., 238
**Mirabella, F. M.** See Mehta, S., 928
**Mirjalil, G.** See Salehi, S. M. A., 1049
**Mishra, A. K.**
—; Agrawal, P.; Bajpai, R.: Radiational Hardening of Poly(vinylidene fluoride)–Poly(mehtyl methacrylate)–Polystyrene Ternary Blends, 3107
**Mitova, V.** See Natov, M., 871
**Miyata, S.** See Sathanon, U., 856
**Miyata, T.**
—; Inaki, K.; Morikawa, J.; Satota, R.; Hashimoto, T.: Effects of Copolyester/polycarbonate Blend Composition on the Thermal Diffusivity of Dye Transfer printing, 72
**Mo, S.** See Qian, S., 1584
**Mohan, D.** See Mahendan, R., 3659
**Mohanraj, G. T.**
—; Chaki, T. K.; Chakraorty, A.; Khastgir, D.: Effect of Some Service Conditions on the Electrical Resistivity of Conductive Styrene–Butadiene Rubber–Carbon Black Composites, 2179
**Moldenaers, P.** See Oommen, Z., 252
**Mondal, M. I. H.**
—; Alam, R.; Sayeed, M. A.: Graft Copolymerization of Nitrile Monomers onto Bleached Jute Fiber Using Potassioum Persulfate System and Their Textile Characteristics, 3622
**Morihashi, S.** See Oishi, T., 2552
**Morikawa, J.** See Miyata, T., 72
**Morita, K.** See Inoue, S.-i., 2211
**Morita, T.**
—; Taniguchi, R.; Matsuo, T.; Kato, J.: Novel Aliphatic Polyetone Fiver by a Wet-Spinning Method Using Aqueous Composite Metal Salt Solutions, 1183
**Moskvin, Y. L.** See Kharitonov, A. P., 6
**Moura, L. F. M.** See Jardini, A. L. M., 2387
**Mulder, M. H. V.** See Nymeijer, D. C., 323
**Mülhaupt, R.** See Frölich, J., 3088
**Munari, A.** See Finelli, L., 186
**Murhty, R. S. R.** See Bhawal, S., 402
**Mustata, F.** See Bicu, I., 2240

**Nagai, A.** See Amou, S., 1252
**Nagaoka, S.** See Taketani, Y., 3016
**Nagasawa, N.** See Xu, L., 3002
**Nagpal, A. K.** See Gupta, A., 687
**Naidu, B. V. K.**
—; Shetty, L. C.; Aminabhavi, T. M.: Appropriate Use of Fick's Equation to Compute Diffusion Coefficients in Pervaporation Experiments, 2740
—; See Aminabhavi, T. M., 991
**Najafi, F.**
—; Sarbolouki, M. N.: Synthesis and Characterization of Biodegradable Block Copolymers of Poly(Propylene fumerate-*co*-sebacate)-*co*-poly(ethylene glycol) and poly(ehtylene fumarate-*co*-sebacate)-*co*-poly(ethylene glycol), 295
**Nakason, C.**
—; Panklieng, Y.; Kaesaman, A.: Rheological and Thermal Properties of Thermoplastic Natural Rubbers Based on Poly(methyl methacrylate)/Epoxidized-Natural-Rubber Blends, 3561
**Nakayama, A.,** 1716
**Nam, Y. S.** See Lee, J. S., 517
**Nando, G. B.** See Bala, P., 3583
**Nanjundan, S.** See Jayakumar, R., 710
**Narayan, R.** See Graiver, D., 3231
**Narkis, M.** See Jia, W., 1367
**Narusue, S.** See Suzuki, A., 1534
**Nasrullah, J. M.**
—; Dhamodharan, R.: Synthesis and Characterization of Statistical Copolymers of Styrene and 4-(1-hydroxyalkyl)Styrene, 1902
**Natov, M.**
—; Mitova, V.; Vassileva, S.: On the Use of Extruders as Chemical Reactors, 871
**Nava, E.** See Soto, G., 1397
**Nazábal, J.** See Guerrica-Echevarria, G., 1559
**Nazarenko, S.** See Yu, J., 749
**Nazockdast, H.** See Bazgir, S., 2000
**Nedkov, I.** See Kotsilkova, R., 2220
**Nekoomanesh, M. H.** See Kavousian, A., 3368
**Nesheva, D.** See Kotsilkova, R., 2220
**Nge, T. T.**
—; Hori, N.; Takemura, A.; Ono, H.: Swelling Behavior of Chitosan/Poly(acrylic acid) Complex, 2930
**Ngono, Y.** See Pennarun, P.Y., 2859
**Ngyen-Chung, T.**
—; Mennig, G.; Boyanova, M.; Fakirov, S.; Calleja, F. J. B.: Effect of an Obstacle During Processing on the Weld Line of Injection-Molded Glassy Polystyrene: Microhardness Study, 3362
**Nho, Y. C.** See Kim, J.-i., 394
**Ni, X.**
—; Li, J.; Zhang, Y.; Shen, Z.: Gas Phase Polymerization of 1,3-Butadiene with Supported Neodynium-Based Catalyst: Investigation of Molecular Weight, 1945
**Niculescu, V.** See Buruiana, E. C., 2599
**Nitta, K.-h.** See Shin, Y.-W., 2949
**Niu, A.** See Ruan, W., 1618
**Nogueira, J. S.** See Tavares, M. I. B., 2151
**Noh, S.-T.** See Kim, D.-W., 3292
**Noh, S. K.** See Kim, S. S., 1426
**Nonaka, T.**
—; Hanada, Y.; Watanabe, T.; Ogata, T.; Kurihara, S.: Formation of Thermosensitive Water-soluble Copolymers with Phosphinic Acid Groups and the Thermosensitivity of the Copolymers and Copolymer/metal Complexes, 116
—; See Kurihara, S., 2577
**Nonmura, C.** See Ito, K., 1243
**Notti, R. B.** See Augusta de Luca, M., 798
**Noumi, Y.** See Kim, S. Y., 2082
**Nunes, R. C. R.** See Martins, A. F., 2425
**Núñez, L.**
—; Villanueva, M.; Núñez, M. R.; Rial, B.; Fraga, L.: Modification of a Two-Component System by Introducing an Epoxy-Reactive Diluent: Construction of a Time–Temperature–Transforamtion (TTT) Diagram, 1190
—; Villanueva, M.; Núñez, M. R.; Rial, B.: Influence of an Epoxy Reactive Diluent on the Thermal Degradation Process of the System DGEBA $n$ = 0/1,2 DCH, 1199
**Núñez, M. R.** See Núñnez, L., 1190
**Nuño-Donlucas, S. M.** See Villarreal, M. E., 2545
**Nymeijer, D. C.**
—; Folkers, B.; Breebaart, I.; Mulder, M. H. V.; Wessling, M.: Selection of Top Layer Materials for Gas-Liquid Membrane Contactors, 323

**Obeid, H.** See Dossot, M., 1154
**Obokata, T.**
—; Isogai, A.: $^{1}H$- and $^{13}C$-NMR Analyses of Aqueous Polyamideamine-Epichlorohydrin Resin Solutions, 1847
**Ogata, T.** See Kurihara, S., 2577; Nonaka, T., 116
**Ogino, K.** See Sathanon, U., 856
**Oh, D.-H.** See Kim, H.-G., 238
**Oh, K. W.** See Hong, K. H., 37
**Oh, Y.-I.** See Lee, D.-Y., 2395
**Øiseth, S. K.**
—; Krozer, A.; Lausmaa, J.; Kasemo, B.: Ultraviolet Light Treatment of Thin High-Density Polyethylene Films Monitored with a Quartz Crystal Microbalance, 2833
**Oishi, T.**
—; Yamasaki, H.; Onimura, K.; Fukushima, T.; Morihashi, S.: Synthesis and Property of Hydrogel Membranes Consisteing of Fumaramate with Phosphoryylcholine Group, 2552
—; See Hadano, S., 2658
**Okamoto, H.** See Inoue, S.-i., 2211
**Okano, T.** See Suzuki, A., 2989
**Okazaki, Y.** See Sakaguchi, Y., 2903
**Ol'khov, A. A.**
—; Shibryaeva, L. S.; Loradanskii, A. L.; Zaikov, G. E.: Thermal Oxidation of Self-Degradable Composite Films Based on Low-Density Polyehtylene, 1392
**Olvia, H. M.** See Soto, G., 1397
**Onimura, K.** See Hadano, S., 2658; Oishi, T., 2552
**Onishi, Y.**
—; Butler, G. B.; Hogen-Esch, T. E.: 1,2-Propanediol–Cellulose–Acrylamide Graft Copolymers, 3022
**Ono, H.** See Nge, T. T., 2930
**Oommen, Z.**
—; Zachariah, S. R.; Thomas, S.; Groeninckx, G.; Moldenaers, P.; Mewis, J.: Melt Rheology and Morphology of Uncompatibilized and *In situ* Compatibilized Nylon-6/Ethylene Propylene Rubber Blends, 252
**O'Rear, E. A.** See Lekpittaya, P., 2629
**Otsuki, T.**
—; Zhang, F.; Kabeya, H.; Hirotsu, T.: Synthesis and Tensile Properties of a Novel Composite of *Chlorella* and Polyethylene, 812

**Pairpisit, K.** See Kiatkamjornwong, S., 3401
**Pal, J.**
—; Singh, H.; Ghosh, A. K.: Modification of LLDPE Using Esterified Styrene Maleic Anhydride Copolymer: Study of Its Properties and Environmental Degradability, 102
**Paliwal, L. J.** See Michael, P. E. P., 2278
**Pan, N.** See Yang, H., 3201
**Pan, S. L.** See Rong, M. Z., 1771
**Pan, Z. J.**
—; Li, C. P.; Xu, Q.: Active Control on Molecular Conformations and Tensile Properties of Spider Silk, 901
**Panda, A. B.** See Bandopadhay, D., 3046
**Pande, K. K.** See Sharma, A. L., 1374
**Pandy, G. D.** See Gupta, Y. N., 1737
**Pang, X.**
—; Cheng, G.; Lu, S.: Morphology and Thermodynamic analysis of Composite Polymer Particles Prepared by Soap-Free Emulsion Polymerization in the Presence of Poly(Methyl Methacrylate) and Polystyrene as Biseeds, 2675
**Panklieng, Y.** See Nakason, C., 3561
**Papadokostaki, K. G.**
—; Petrou, J. K.: Combined Experimental and Computer Simulation Study of the Kinetics of Solute Release from a Relaxing Swellable Polymer Matrix. I. Characterization of Non-Fickian Solvent Uptake, 2458
**Papaspyrides, C. D.**
—; Vouyiouka, S. N.; Bletsos, I. V.: Preparation of Polyhexamethyleneadipamide Prepolymer by a Low-Temperature Process, 301
**Papdokostaki, K. G.**
—; Combined Experimental and Computer Simulation Study of the Kinetics of Solute Release from a Relaxing Swellable Polymer Matrix. II. Release of an Osmotically Active Solute, 2468
**Parameswaran, S.** See Hermann, D., 2420
**Park, C. I.** See Kim, M. H., 2144
**Park, E.-S.**
—; Kim, H. K.; Shim, J. H.; Jang, L. W.; Yoon, J.-S.: Compatability of Poly(Butadiene-*co*-acrylonitrile) with Poly(L-lactide) abd Poly(3-hydroxybutyrate-*co*-3-hydroxyvalerate), 3508
—; Yun, S.-J.; Kim, G.-T.; Park, I.-J.; Choi, W.-H.; Jeong, J.-W.; Hong, S.-Y.; Park, H.-W.; Jang, L.W.; Yoon, J.-S.: Preparation of Positive-Temperature Coefficient Heaters Using Platinum-Catalyzed Silicone Rubber, 1611
**Park, H.** See Kim, K., 2069
**Park, H.-W.** See Park, E.-S., 1611
**Park, I.-J.** See Park, E.-S., 1611
**Park, O. O.** See Kim, M. H., 2144
**Park, S.-Y.** See Lee, S.-H., 2054
**Parra, J. L.** See Marti, M., 3252
**Pasa, V. M. D.** See Melo, B. N., 3287
**Pasch, H.** See Pizzi, A., 2665
**Pasquale, A.**
—; Long, T. E.: Determination of Monomer Reactivity Ratios Using *In Situ* FTIR Spectroscopy for Maleic Anhydride/Norbornene-Free-Radical Copolymerization, 3240
**Patra, M.**
—; Behera, A. K.; Behera, R. K.; Sinha, B. K.: T1(III) Initiator Polymerization of Methyl Methacrylate in Micellar Phase, 2480
**Patri, M.** See Phadnis, S., 2318
**Pavoor, P. V.**
—; Gearing, B. P.; Gorga, R. E.; Bellare, A.; Cohen, R. E.: Engineering the Friction-and-Wear Behavior of Polyelectrolyte Multilayer Nanoassemblies through Block Copolymer Surface Capping, Metallic Nonparticles, and Multiwall Carbon Nanotubes, 439
**Pedroso, A. G.**
—; Rosa, D. S.; Atvars, T. D. Z.: The Role of Additives in the Manufacture of Sheets of Unsaturated Polyester and Postconsumer Unsaturated Polyester/Glass Fiber Composites: Mechanical and Dynamic Mechanical Properties, 1834
**Pei, M.**
—; Wang, D.; Zhao, Y.; Hu, X.; Xu, Y.; Wu, J.; Xu, D.: Surface Treatments of Subdenier Monofilament Polypropylene Fibers to Optimize Their Reinforcing Efficiency in Cementitious Composites, 2637
**Peng, H.**
—; Cheng, S.; Fan, Z.: Synthesis and Characterization of PBMA-*b*-PDMS-*b*-PBMA Copolymers by Atom Transfer Radical Polymerization, 532

**Peng, M.-C.**
—; Lin, J.-C.; Chen, C.-Y.; Wu, J.-J.; Lin, X.-Z.: Studies of Sulfonated Polyethylene for Biliary Stent Application, 2450
**Peng, X.** See Zhang, L., 878
**Peng, Z.** See Ren, W., 1804; Zheng, H., 638
**Penlidis, A.** See Kavousian, A., 3368
**Pennarun, P. Y.**
—; Dole, P.; Feigenbaum, A.: Functional Barriers in PET Recycled Bottles. Part I. Determination of Diffusion Coefficients in Bioriented PET with and without Contact with Food Simulants, 2845
—; Ngono, Y.; Dole, P.; Feigenbaum, A.: Functional Barriers in PET Recycled Bottles. Part II. Diffusion of Pollutants During Processing, 2859
**Pereira, E.** See Rivas, B. L., 2917
**Pérez-Rigueiro, J.** See Elices, M., 3537
**Pestskii, S. S.**
—; Krivoguz, Y. M.; Jurowski, B.: Structure and Properties of Polyamide 6 Blends with Low-Density Polyethylene Grafted by Itaconic Acid and with Neutralized Carboxl Groups, 1702
**Petrou, J. K.** See See *also* Papadokosataki, K.G., 2458
**Petrulis, D.**
—; Fundamental Study of the Effect of the Fiber Wall Thickness and Inner Diameter on the Structure of Polyamide and Polypropylene Hollow Fibers, 2017
**Petzold, G.** See Lukaszczyk, J., 1510
**Phadnis, S.**
—; Patri, M.; Hande, V. R.; Roychoudhury, S.; Deb, P.C.: Proton Exchange Membranes by Grafting of Styrene–Acrylic Acid onto FEP by Preirradiation Technique. II. Physiochemical Properties of the Membrane and Its Sulfonated Derivatives, 2318
**Phaneuf, M.** See Choi, H.-M., 3343
**Phillips, S. H.** See Gonzalez, R. I., 1977
**Phromchirasuk, C.** See Sombatsompop, N., 782
**Pichelin, F.** See Gfeller, B., 243
**Pillai, V. N. R.** See Sasikumar, P. G., 288
**Pimpan, V.** See Saravari, O., 3040
**Pinto, M. L.**
—; Pires, J.; Carvalho, A.P.; Bordado, J.C.M.; de Carvalho, M.B.: Synthesis and Characterization of Polyurethane Foam Matrices for the Support of Granular Adsorbent Materials, 2045
**Pinzino, C. S.** See Smith, R. E., 62
**Pires, J.** See Pinto, M. L., 2045
**Pires, M.**
—; Mauler, R. S.; Liberman, S. A.: Structural Characterization of Reactor Blends of Polypropylene and Ethylene-Propylene Rubber, 2155
**Piskin, E.** See Güldoğan, Y., 3675
**Pizzi, A.**
—; Pasch, H.; Simon, C.; Rode, K.: Structure of Resorcinol, Phenol, and Furan Resins by MALDI-TOF Mass Spectrometry and $^{13}C$ NMR, 2665
—; See Yin, S., 3499; Zanetti, M., 672
**Pizzi, F.** See Gfeller, B., 243
**Plaza, G.** See Elices, M., 3537
**Pooley, S. A.** See Shin, Y.-W., 2955
**Poon, B.** See Yu, J., 749
**Poon, B. C.**
—; Chum, S. P.; Hiltner, A.; Baer, E.: Modifying Adhesion of Linear Low-density Polyethylene to Polypropylene by Blending with a Homogeneous Ethylene Copolymer, 109
**Powell, E. S.** See Maher, A. E., 2569
**Pramanik, P.** See Bandopadhay, D., 3046
**Premalatha, C. K.** See Joseph, R., 3531
**Properzi, M.** See Gfeller, B., 243
**Puig, J. E.** See Villarreal, M. E., 2545
**Pulda, J.** See Hlavatá, D., 2431
**Pusushothaman, E.** See Rajesh, C., 1023

**Qian, H.-i.** See Wang, P.-y., 3260
**Qian, S.**
—; Wang, H.; Huang, G.; Mo, S.; Wei, W.: Studies of Adsorption Properties of Crosslinked Chitosan for Vanadium(V), Tungsten(VI), 1584
**Qiao, J.**
—; Yang, C.; He, Q.; Bai, F.; Li, Y.: Hyperbranced Conjugated Polymers for Photvoltaic Applications, 1459
—; See Ruan, W., 1618
**Qin, J.** See Li, Z., 867
**Qin, S. L.** See Yang, Z.-G., 1493
**Qin, W.-P.** See Liu, H.-G., 3524
**Qiu, F.** See Chen, S., 2312
**Qiu, L.**
—; Preparation and Evaluation of Chitosan-Coated Polyphosphazene Hydrogel Beads for Drug Controlled Release, 1993
**Qiu, Y.** See Lin, Z., 3610
**Qu, B.** See Tang, L., 3371
**Qu, L.** See Li, E., 1939
**Qu, R.**
—; Wang, C.; Sun, C.; Ji, C.; Cheng, G.; Wang, X.; Xu, G.: Syntheses and Adsorption Properties for $Hg^{2+}$ of Chelating Resin of Crosslinked Polystyrene-Supported 2,5-Dimercapto-1,3,4-thiodiazole, 1646
**Quijada, R.** See López-Manchado, M. A., 3008
**Quilodrán, B.** See Rivas, B. L., 2908
**Quiroz, E.** See Rivas, B. L., 2908
**Quist, W.** See Choi, H.-M., 3343

**Rafiee, Z.** See Mallapour, S., 3173
**Rajesh** See Sharma, A. L., 1374
**Rajesh, C.**
—; Unnikrishnan, G.; Purusshothaman, E.; Thomas, S.: Cure Characteristics and Mechanical Properties of Short Nylon Fiber-Reinforced Nitrile Rubber Composites, 1023
**Ramasami, M.** See Selvi, P., 847
**Ramírez, C.**
—; Vilariño, J. M.L.; Abad, M. J.; Barral, L.; Bouza, R.; Cano, J.; Díez, F. J.; García-Garabal, S.; López, J.: Selection of a Precursor of a Monofunctional Polyhedral Oligomeric Silsesquioxane Reacted with Aromatic Diamines, 1576
**Ramirez, C.** See Torres, A., 461
**Ramis, X.**
—; Salla, J. M.; Mas, C.; Mantecón, A.; Serra, A.: Kinetic Study by FTIR, TMA, and DSC of the Curing of a Mixture of DGEBA resin and ○-Butyrolactone Catalyzed by Ytterbium Triflate, 381
**Ramkumar, S. S.** See Hermann, D., 2420
**Ranganathaiah, C.** See Thimmegowda, M. C., 1355
**Rao, Y.**
—; Wong, C. P.: Material Characterization of a High-Dielectric-Constant Polymer–Ceramic Composite for Embedded Capacitor for RF Applications, 2228
**Ratna, D.**
—; Varley, R.; Simon, G. P.: Processing and Chemotheology of Epoxy Resins and Their

Blends with Dendritic Hyperbranched Polymers, 1604
**Rattanakarun, K.** See Hoven, V. P., 2253
**Reddy, A. R.**
—; Reddy, K. H.: Sybthesis of Functionalized Phenolformaldehyde Polymer Resins by the Reaction of 2,4-Dihydroxyacetophenone Formaldehyde Resin with Various Amines and Their Metal Ion Uptake Properties, 1501
**Reddy, B. S. R.** See Arun, A., 2494
**Reddy, K. H.** See Reddy, A. R., 1501
**Reddy, L. H.** See Bhawal, S., 402
**Reed, W. F.** See Drenski, M. F., 2724
**Ren, W.**
—; Peng, Z.; Zhang, Y.; Zhang, Y.: Water-Swelling Elatomer Prepared by *In Situ* Formed Lithium Acrylate in Chlorinated Polyethylene, 1804
**Rhee, J. M.** See Choee, J.-H., 599
**Rial, B.** See Núñez, L., 1190, 1199
**Ribitsch, V.** See Fras, L., 3186
**Ricci, G.** See Bertini, F., 1680
**Rivas, B. L.**
—; Pereira, E.; Gallegos, P.; Homper, D.; Geckler, K. E.: Metal Ion Binding Capability of the Water-Soluble Poly(Vinyl Phosphonic Acid) for Mono-, Di-, and Trivalent Cations, 2917
—; Pooley, S. A.; Maureira, A.: Removal of Metal Ions by Water-Soluble Polymacromonomers in Conjuction with Ultafiltration Membrane, 2955
—; Quilodrán, B.; Quiroz, E.: Trace Metal Ion Retention of Crosslinked Poly(4-Vinylpyridine) and Poly(Acrylic Acid), 2908
—; Sánchez, C. O.: Synthesis and Characterization of Poly(*o*- and *m*-amino benzyl amine) and the Copolymers with Aniline. Study with Cu(II), 31
**Rode, K.** See Pizzi, A., 2665
**Rong, M. Z.**
—; Zhang, M. Q.; Pan, S. L.; Friedrich, K.: Interfacial Effects in Polypropylene–Silica Nanocomposites, 1771
**Roose, P.**
—; De Doncker, P.: Determination of the Saturation Adsorption of Surfactant in Polymer Latices, 3226
**Rosa, D. S.** See Pedroso, A. G., 1834
**Rosas, M.** See Soto, G., 1397
**Roychoudhury, S.** See Phadnis, S., 2318
**Roz, Z.** See Maaref, S., 317
**Ruan, W.**
—; Qiao, J.; Huang, Y.; Niu, A.: Synthesis of Superabsorbent Resin by Ultraviolet Photopolymerization, 1618
**Rufener, K.** See Mehta, S., 928
**Rzaev, Z. M. O.** See Güldoğan, Y., 3675

**Sadhu, S.**
—; Bhowmick, A. K.: Preparation and Properties of Styrene–Butadiene Rubber Based Nanocomposites: The Influence of the Structural and Processing Parameters, 698
**Saikia, C. N.** See Das, P., 3471
**Sain, M.** See Behzad, T., 757
**Saito, Y.** See Shimizu, Y., 2758
**Sakaguchi, Y.**
—; Kawahara, K.; Yamada, T.; Okazaki, Y.; Imahashi, S.: Diffusion of Unreacted Monomers Detected by ATR FTIR Spectroscopy in a Photosensitive Printing Plate After the Photoreaction, 2903
**Salehi, S. M. A.**
—; Mirjalil, G.; Amrollahi, J.: Effects of High Energy Beam on Low-Density Polyethylene Materials Containing EVA, 1049
**Salla, J. M.** See Ramis, X., 381
**Salleh, A. B.** See Harun, A., 3381
**Samantaray, S. K.** See Bala, P., 3583
**Samuel, M. H. P.** See Selvi, P., 847
**Sánchez, C. O.** See Rivas, B. L., 31
**Sanghi, R.** See Singh, V., 1569
**Sanjani, N. S.** See Abdouss, M., 2871
**Sanner, M. A.**
—; Haralur, G.; May, A.: Effect of Molecular Weight on Brittle-to-Ductile Transition Temperature of Polyethermide, 1666
**Sannier, L.**
—; Siddiqi, H. M.; Maschke, U.; Dumon, M.: Evolution of Electrooptical Properties of Epoxy–Amine Thermoset/Liquid Crystal Blends During Polymerization After the Gel Point of the Polymer Matrix, 2621
**Santacesaria, E.** See Tesser, R., 1875
**Sapunar, R.** See López-Manchado, M. A., 3008
**Sarathi, R.**
—; Das, S.; Kumar, C. R. A.; Velmurugan, R.: Analysis of Failure of Crosslinked Polyethylene Cables Because of Electrical Treeing: A Physiochemical Approach, 2169
**Saravari, O.**
—; Vessabutr, B.; Pimpan, V.: Synthesis of Urethane Oils from Waste Poly(ethylene terephthalate) Bottles, 3040
**Sarbolouki, M. N.** See Najafi, F., 295
**Sarojadevi, M.** See Guhanathan, S., 817
**Sasikumar, P. G.**
—; Kumar, K. S.; Pillai, V. N. R.: A Novel Chemically and Mechanically Stable Glycerol-based Crosslinked Polystyrene Support for Polypeptide Synthesis: A Comparative Study with Merrifield Resin, 288
**Sastry, N. V.** See Govinaraj, B., 1527
**Sathanon, U.**
—; Fukura, S.; Sekiguchi, A.; Ogino, K.; Miyata, S.: Piezoelectricity of Vinylidenefluoride–Trifluoroethylene Coploymer Films in Various Poling Conditions, 856
**Satota, R.** See Miyata, T., 72
**Sawada, H.**
—; Umedo, M.; Kawase, T.; Baba, M.; Tomita, T.: Synthesis and Properties of Fluoroalkyl End-Capped Sulfobetaine Polymers, 1144
**Saxena, S.** See Bajpai, S. K., 3630
**Sayeed, M. A.** See Mondal, M. I. H., 3622
**Scarparo, M. A. F.** See Jardini, A. L. M., **2387**
**Scarpelli Ribeiro e Silva, M. E.** See Mano, V., 743
**Schaake, R. P.** See Mergler, Y. J., 2689
**Schiraldi, D. A.** See Wiegel, K. N., 3097
**Schmidt, B.** See Kotek, R., 1724
**Schmidt, H.** See Chong, K. F., 149
**Schneider, C. G.** See Barbosa, R. V., 1658
**Schork, F. J.**
—; Smulders, W.: On the Molecular Weight Distribution Polydispersity of Continuous Living-radical Polymerization, 539
**Schwark, D. W.** See Luo, N., 1589, 1688
**Sclafani, A.** See Tesser, R., 1875
**Sddiqui, K. M.** See Chauhan, G. S., 3135
**Sekiguchi, A.** See Sathanon, U., 856
**Selvi, P.**
—; Ramasami, M.; Samuel, M. H. P.; Sripriya, R.; Senthilkumar, K.; Adaikkalam, P.; Srinivasan,

G. N.: Gallium Recovery from Bayer's Liquor Using Hydroxamic Acid Resin, 847
**Sen, K.**
—; Babu K. M.: Studies on Indian Silk. I. Macrocharacterization and Analysis of Amino Acid Composition, 1080
—; Babu K..M.: Studies on Indian Silk. II. Structure–Property Correlations, 1098
—; Babu,K. M.: Studies on Indian Silk. III. Effect of Structure on Dyeing Behavior, 1116
**Senel, S.** See Camli, S. T., 3685; Unsal, E., 607
**Senthil, S.** See Srividhya, D., 194
**Senthilkumar, K.** See Selvi, P., 847
**Seo, H.-U.**
—; Jin, S.-H.; Choi, S.-J.; Gal, Y.-S.; Lim, K. T.: Design and synthesis of new photoresist materials for ArF lithography, 165
**Seo, I. S.** See Kim, S. S., 1426
**Seo, K.** See Maaref, S., 317
**Seo, K.-H.** See Lim, S.-W., 3266
**Serra, A.** See Ramis, X., 381
**Seshaiyer, P.** See Hermann, D., 2420
**Setua, D. K.** See Gupta, Y. N., 1737
**Shaban, H. I.** See Bishara, A., 2817
**Shabani, M.** See Abdouss, M., 2871
**Shahmohammadi, M. H.** See Mallakpour, S., 951
**Shan, G.-R.** See Chen, X.-P., 619
**Shan, W.** See Liao, M., 3430
**Shao, H.** See Lan, P., 2163
**Shao, P.** See Li, Z., 867
**Shao, X.**
—; Liu, W.; Xue, Q.: The Triological Behavior of Micrometer and Nanometer $TiO_2$ Particle-Filled Poly(phthalazine ether sulfone ketone) Composites, 906
**Sharma, A. L.**
—; Singhal, R.; Kumar, A.; Rajesh; Pande, K. K.; Malhorta, B. D.: Erratum: "Immobilization of Glucose Oxidase onto Electrochemically Prepared Poly(aniline-*co*-fluoroaniline) Films," 1374
**Sharmin, E.** See Zafar, F., 2538
**Shehata, A. B.**
—; Hassan, M. A.; Darwish, N. A.: Kaolin Modified with New Resin-Iron Chelate as Flame Retardant System for Polypropylene, 3119
**Shehrzade, S.** See Khan, M. A., 18
**Shelgaev, V. N.**
—; Mikitaev, A. K.; Lomakin, S. M.; Zaikov, G. E.; Koverzanov, E. V.: Thermal Stability of Native Polybutylene Terephthalate, 2351
**Shen, J.** See Wang, Y., 2593
**Shen, L.-Q.**
—; Xu, Z.-K.; Yang, Q.; Sun, H.-L.; Wang, S.-Y.; Xu, Y.-Y.: Preparation and Characterization of Sulfonated Polyetherimide/Polyetherimide Blend Membranes, 1709
**Shen, X.** See Tang, L., 3371
**Shen, Z.**
—; Simon, G. P.; Cheng, Y.-B.: Nanocomposites of Poly(methyl methacrylate) and Organically Modified Layered Silicates by Melt Intercalation, 2101
—; See Ni, X., 1945; Wang, M., 126
**Shetty, L. C.** See Naidu, B.V.K., 2740
**Shi, G.** See Li, E., 1939; Liu, C., 171
**Shibayama, M.** See Katoh, K., 683
**Shibryaeva, L. S.** See Ol'khov, A. A., 1392
**Shim, J. H.** See Park, E.-S., 3508
**Shim, V. P. W.**
—; Yang, L. M.; Lim, C. T.; Law, P. H.: A visco-hyperelastic constitutive model to characterize both tensile and compressive behavior of rubber, 523
**Shimizu, Y.**
—; Izumi, S.; Saito, Y.; Yamaoka, H.: Ethylenediamine Tetraacetic Acid Midificaiton of Crosslinked Chirosan Designed for a Novel Metal-Ion Adsorbent, 2758
**Shin, S. R.** See Kim, S. J., 915
**Shin, Y.-W.**
—; Hashiguchi, H.; Terano, M.; Nitta, K.-h.: Synthesis and Characterization of Propylene-$\alpha$-Olefin Random Copolymers with Isotactic Propylene Sequence. II. Propylene–Hexene-1 Random Copolymers, 2949
**Shinbo, T.** See Kim, S. Y., 2082
**Shirai, H.** See Chen, Z., 1540
**Shon, K. H.** See Kim, B. K., 1672
**Shu, W.-J.**
—; Chin, W.-K.; Chiu, H.-J.: Phosphonate-Containing Bismaleimide Resins. II. Preparation and Characteristics of Reactive Blends of Phosphonate-Containing Bismaleimide and Epoxy, 2375
**Shukla, A.**
—; Srivastava, A. K.: Synthesis and Characterization of Functional Copolymer of Linalool and Vinyl Acetate: A Kinetic Study, 1134
**Shustov, G. B.** See Kozlov, G. V., 2840
**Siddiqi, H. M.** See Sannier, L., 2621
**Siegmann, A.** See Jia, W., 1367
**Silva, E. O.** See Tavares, M. I. B., 2151
**Silvestre, C.** See Cimmino, S., 3454
**Simon, C.** See Pizzi, A., 2665
**Simon, G. P.** See Liu, W., 2093; Ratna, D., 1604; Shen, Z., 2101
**Simunovic, S.** See Jacob, G. C., 3218
**Singh, H.** See Pal, J., 102
**Singh, M.**
—; Preparation and Structural Characterization of Melamine–Mehtylurea–Formaldehyde Resin and Its Blends Separately with Ethyl Cellulose, Strach, Teakwood, and Almond Shell Powders by $^{13}C$ NMR, IR, TGA, and SEM Techniques, 3437
**Singh, R. K.**
—; Stoffer, J. O.; Flaim, T. D.; Hall, D. B.; Torkelson, J. M.: Monohydroxy-Hydrzone-Functionalized Thermally Crosslinked Polymers for Nonlinear Optics, 770
**Singh, S. K.** See Agrawal, A. K., 3247
**Singh, V.**
—; Tiwari, A.; Tripathi, D. N.; Sanghi, R.: Garfting of Polyacrylonitrile onto Guar Gum Under Microwave Irradiation, 1569
**Singhal, R.** See Gupta, A., 687; Sharma, A. L., 1374
**Sinha, B. K.** See Patra, M., 2480
**Sinturel, C.** See Boyard, N., 2976
**Siracusa, V.** See Finelli, L., 186
**Sisti, L.** See Finelli, L., 1887
**Slavinska, D.** See Choukourov, A., 979
**Sleke, S.** See Auras R., 1790
**Smith, B.** See Kotek, R., 1724
**Smith, R. E.**
—; Pinzino, C. S.; Chappelow, C. C.; Holder, A. J.; Kostoryz, E. L.; Guthrie, J. R.; Miller, M.; Yourtee, D. M.; Eick, J. D.: Photopolymerization of an Expanding Monomer with an Aromatic Dioxirane, 62
**Smulders, W.** See Schork, F. J., 539
**Soares, D. A. W.** See Filho, J. A. R., 1310
**Sohn, S.** See Tamami, B., 883
**Solaro, R.** See Chiellini, E., 426
**Sombatsompop, N.**
—; Phromchirasuk, C.: Effects of Acrylic-Based Processing Aids on Processibility, Rheology, thermal and Structural Stability, and

Mechanical Properties of PVC/Wood-Swadust Composites, 782
—; Sungsanit, K.: Structural Changes and Mechanical Performance of Recycled Poly(vinyl chloride) Bottles Exposed to Ultraviolet Light at 313 nm, 84
—; Sungsanit, K.; Thongpin, C.: Analysis of Low-Density Polyethylene-*g*-Poly(vinyl chloride) Copolymers Formed in Poly(vinyl chloride)/Low-Density Polyethylene Melt Blends with Gel Permeation Chromatography and Solid-State $^{13}C$-NMR, 3167
**Song, B.**
—; Chen, W.; Cheng, M.: Novel Model for Unaxial Strain-Rate-Dependent Stress-Strain Behavior of Ethylene-Propylene-Diene Monomer Rubber in Compression or Tension, 1553
**Song, W.**
—; Wang, Y.; Deng, H.: Ion-Conducting Polymer Gels of Polyacrylamide Embedded with $K_2CO_3$, 2076
**Song, Y.** See Wu, D., 2714
**Sood, A.**
—; Particle Size Distribution Control in Emulsion Polymerization, 2884
**Soto, G.**
—; Nanva, E.; Rosas, M.; Fuenmayo, M.; González, I. M.; Meira, G. R.; Oliva, H. M.: Bulk Polymerization of Styrene in the Presence of Polybutadiene: Effect of Initiator Type and Prepoymerization Conditions on Particle Morphology, 1397
**Souza Rosa, R. C. R.**
—; Andrade, C. T.: Effect of Chitin Addition on Injection-Molded Thermoplastic Corn Starch, 2706
**Špírková, M.**
—; Brus, J.; Hlavatá, D.; Kamisšová, H.; Matějka, L.; Strachota, A.: Preparation and Characterization of Hybrid Organic–Inorganic Epoxide-Based Films and Coatings Prepared by the Sol-Gel Process, 937
**Spruiell, J. E.** See Bhat, G. S., 3593
**Srikulkit, K.** See Kusuktham, B, 1375
**Srinivasan, G. N.** See Selvi, P., 847
**Sripriya, R.** See Selvi, P., 847
**Srivastava, A. K.** See Shukla, A., 1134
**Srivastava, S. K.** See Bala, P., 3583
**Srividhya, D.**
—; Senthil, S.; Kannan, P.: Thermotropic Liquid-Crystalline Polyphosphate Esters Containing Phenolphthalein Moiety, 194
**Staikos, G.** See Chourdakis, N., 3466
**Stålbom, B.** See Andersson, T., 684
**Stana-Kleinschek, K.** See Fras, L., 3186
**Starbuck, J. M.** See Jacob, G. C., 3218
**Starov, V. M.** See Kharitonov, A. P., 6
**Stavrev, S.** See Kotsilkova, R., 2220
**Stenius, P.** See Fras, L., 3186
**Stewart, M. J.** See Luo, N., 1688
**Stoffer, J. O.** See Singh, R. K., 770
**Strachota, A.** See Špírková, M., 937
**Su, S.** See Zheng, Z., 2733
**Su, W.-F.** See Yeh, J.-M., 1072
**Sudo, M.** See Hashimoto, K., 3492
**Sugimura, T.** See Hashimoto, K., 3492
**Suh, D. H.** See Yang, N. C., 3112
**Suh, K. S.** See Yu, D.-G., 2970
**Sun, C.** See Qu, R., 1646
**Sun, D.-x.** See Zhu, Y., 2013
**Sun, H.-L.** See Shen, L.-Q., 1709
**Sun, J.-X.** See Sun, X.-F., 53
**Sun, P.** See Zhao, K., 3144
**Sun, R.-C.** See Sun, X.-F., 53
**Sun, S.-S.** See Maaref, S., 317
**Sun, X.-F.**
—; Sun, R.-C.; Zhao, L.; Sun, J.-X.: Acetylation of Sugarcane Bagasse Hemicellulosis under Mild Reaction Conditions by Using NBS as a Catalyst, 53
**Sun, Z.,** 344
—; See Liu, W., 484
**Sundararaj, U.** See Lin, B., 1165
**Sundell, P.**
—; Sundholm, F.: Polyester Bindings for Wood Containing Benzotriaole and HALS Light Stabilizers, 1413
**Sundholm, F.** See Sundell, P., 1413
**Sung, W.** See Kim, K., 2069
**Sungsanit, K.** See Sombatsompop, N., 84, 3167
**Supaphol, P.**
—; Harnsiri, W.; Junkasem, J.: Effects of Calcium Carbonate and Its Purity on Crystallization and Melting Behavior, Mechanical Properties, and Processability of Syniotactic Polypropylene, 201
**Suzuki, A.**
—; Kamata, K.: Nylon 6 Microfiber Obtained by a Continuous-Thinning Method with a Carbon Dioxide Laser, 1454
—; Kamata, K.: Nylon 6 Microfiber Prepared by Carbon Dioxide Laser Heating, 1449
—; Narusue, S.: Isatactic Polypropylene Microfiber Prepared by Carbon Dioxide Laser-Heating, 1534
—; Okano, T.: Zone Drawing and Zone Annealing of Poly(ethylene terephthalate) Microfiber Prepaared by $CO_2$ Laser Thinning, 2989
**Suzuki, M.** See Chen, Z., 1540
**Suzuki, T.** See Ito, K., 1243
**Sylla, M.** See Yin, S., 3499
**Syrtsova, D. A.** See Kharitonov, A. P., 6
**Szeto, Y. S.** See Wong, Y.C., 1633

**Tachibana, M.** See Tanimura, M., 468
**Taha, M.** See David, J. C., 2357
**Takahashi, A.** See Amou, S., 1252
**Takata, T.** See Matsumura, S., 1869
**Takeda, K.** See Ishikawa, T., 2326
**Takemura, A.** See Nge, T. T., 2930
**Taketani, Y.**
—; Nagaoka, S.; Kawakami, H.: Fabrication of Three-Dimensionally Ordered Microporous Membrane by Wet Phase Separation, 3016
**Taleb, M. F. A.** See Hegazy, E.-S. A., 2642
**Tamami, B.**
—; Sohn, S.; Wilkes, G. L.: Incorporation of Carbon Dioxide into Soybean Oil and Subsequent Preparation and Studies of Nonisocyanate Polyurethane Networks, 883
**Tan, L.** See Chen, S., 2312
**Tanabe, T.** See Katoh, K., 683
**Tanaka, Y.** See Hoven, V. P., 2253
**Tang, J.**
—; Chen, Q.; Liu, H.; Wang, Y.: Influences of Co-monomers and Electrolyte Acidity on Morphological Structure of Copper-in-copolymer Gradient Film, 373
**Tang, L.**
—; Qu, B.; Shen, X.: Mechanical Properties, Morphological Structure, and Thermal Behavior of Dynamically Photocrosslinked PP/EPDM Blends, 3371
—; Yang, J.; Zhanbg, S.; Yang, J.; Wu, Y.: EmulsifierMinor Emulsion Copolymerization of BA-MMA-St-MAA (or AA)-N-MA, 2923
—; See Fu, R., 418
**Tang, X.** See Chen, K., 1765
**Taniguchi, R.** See Morita, T., 1183
**Tanimura, M.**
—; Tachibana, M.; Kojima, K.: Fluorescence Property of

Polycarbonate Related to Radial-Pattern Formation, 468
**Tao, Z.** See Bhushan, B., 1319
**Tapia, M.** See Villarreal, M. E., 2545
**Tarafdar, A.** See Bandopadhay, D., 3046
**Tavares, M. I. B.**
—; Bathista, A. L. B. S.; Silva, E. O.; Costa, P. M.; Filho, N. P.; Nogueira, J. S.: C-NMR Study of *Dipteryx Alata Vogel* Starch, 2151
**Tchoudakov, R.** See Jia, W., 1367
**Teo, W. K.** See Zhen, H., 920
**Teplyakov, V. V.** See Kharitonov, A. P., 6
**Terano, M.** See Shin, Y.-W., 2949
**Tesser, R.**
—; Di Serio, M.; Sclafani, A.; Santacesaria, E.: Modeling of Polyurethane Foam Formation, 1875
**Thames, S. F.** See Gupta, S., 493
**Thimmegowda, M. C.**
—; Kumar, H. B. R.; Ranganathaiah, C.: Water Diffusion in a Soft Contact Lens Polymer and Its Tolerance to UV Radiation Studies by Position Lifetime Technique, 1355
**Thomann, R.** See Frölich, J., 3088
**Thomas, R. M.** See John, H., 592
**Thomas, S.** See Oommen, Z., 252; Rajesh, C., 1023
**Thongpin, C.** See Sombatsompop, N., 3167
**Tian, G.** See Wan, C., 1521
**Tiwari, A.** See Singh, V., 1569
**Tjong, S. C.** See Du, L. C., 1840
**Tomita, T.** See Sawada, H., 1144
**Tomoi, M.** See Amou, S., 1252
**Tong, X.**
—; Liu, C.; Cheng, H.-M.; Zhao, H.; Yang, F.; Zhang, X.: Surface Modification of Single-Walled Carbon Nanotubes with polyethylene via *In Situ* Ziegler–Natta Polymerization, 3697
**Ton-That, M.-T.** See Wu, L., 2261
**Torkelson, J. M.** See Singh, R. K., 770
**Torres, A.**
—; López-de-Ullibarri, I.; Abad, M. J.; Barral, L.; Cano, J.; Garcia-Garabal, S.; Díez, F. J.; López, J.; Ramirez, C.: Study of the Effect of Poly(acrylonitrile-*co*-butadiene-*co*-styrene) on the Mechaical Properties of an Epoxy System, 461
**Toti, U.S.**
—; Aminabhavi, T. M.: Synthesis and Characterization of PolyAcrylamideGrafted Sodium Alginate Membranes for Pervaporation Separation of Water + Isopropanol Mixtures, 2030
**Trchova, M.** See Choukourov, A., 979
**Tripathi, D. N.** See Singh, V., 1569
**Tsatsaroni, E. G.** See Georgiadou, K. L., 3479
**Tsutsumi, H.** See Hadano, S., 2658
**Tuncel, A.** See Bahar, T., 2116; Camli, S. T., 3685; Unsal, E., 607

**Ugalde, F. R.** See del Valle, M. A., 1346
**Umdeo, M.** See Sawada, H., 1144
**Unnikrishnan, G.** See Rajesh, C., 1023
**Unsal, E.**
—; Camli, S. T.; Senel, S.; Tuncel, A.: Chromatographic Performance of Monodisperse-macroporous Particles Produced by "Modified Seeded Polymerization." I: Effect of Monomer/Seed Latex Ratio, 607
—; See Camli, S. T., 3685
**Urregeaga, J. M.** See de la Ordern, M. U., 2196
**Ussman, M. H.** See Marti, M., 3252
**Utreja, A.** See Agrawal, A. K., 3247

**Valdkova, T.**
—; Surface Modification of Silicone Rubber with Poly(ethylene glycol) Hydrogel Coatings, 1486
**Valentini, L.** See López-Manchado, M. A., 3394
**Valle, M.** See López-Manchado, M.A., 3008
**Vallés, E. M.** See Ciolino, A., 2303
**van den Oever, M. J. A.**
—; Boeriu, C. G.; Blaauw, R.; van Haveren, J.: Colorants Based on Renewable Resources and Food-Grade Colorants for Application in Thermoplastics, 2961
**van Haveren, J.** See can den Oever, M. J. A., 2961
**Vannini, M.** See Finelli, L., 1887
**van Zyl, W. E.** See García, M., 1855
**Vargas, R. R.** See Filho, J. A. R., 1310
**Varghese, S.**
—; Alex, R.; Kuriakose, B.: Natural Rubber-Isotactic Polypropylene Thermoplastic Blends, 2063
—; Gatos, K. G.; Apostolov, A. A.; Karger-Kocsis, J.: Morphology and Mechanical Properties of Layered Silicate Reinforced Natural and Polyurethane Rubber Blends Produced by Latex Compounding, 543
**Vargo, T.** See Yu, J., 749
**Varley, R.** See Ratna, D., 1604
**Varley, R. J.** See Liu, W., 2093
**Vasileva, S.** See Hristov, V. N., 1286
**Vassileva, S.** See Natov, M., 871
**Vayer, M.** See Boyard, N., 2976
**Velmurugan, R.** See Sarathi, R., 2169
**Venkataraman, A.** See Govinaraj, B., 1527
**Vera-Graziano, R.** See Hernández-Sánchez, F., 970
**Verweij, H** See García, M., 1855
**Vessabutr, B.** See Saravari, O., 3040
**Vilaríno, J. M. L.** See Ramírez, C., 1576
**Villanueva, M.** See Núñnez, L., 1190, 1199
**Villareal, M. E.**
—; Tapia, M.; Nuño-Donlucas, S. M.; Puig, J. E.; González-Núñez, R.: Mechanical Properties of Poly/Polyamide 6 Blends Compatibilized with the Ionomer Poly(Styrene-*co*-sodium Acrylate), 2545
**Visconte, L. L. Y.** See Martins, A. F., 2425
**Vladkova, T. G.**
—; Dineff, P. D.; Gospodinova, D. N.: Wood flour: A New Filler for the Rubber Processing Industry. III. Cure Characteristics and Mechanical Properties of Nitrile Butadiene Rubber Compounds Filled by Wood Flour in the Presence of Phenol-formaldehyde Resin, 95
**Vouyiouka, S. N.** See Papaspyrides, C. D., 301

**Waikul, L. H.** See Graiver, D., 3231
**Wan, C.**
—; Tian, G.; Cui, N.; Zhang, Y.; Zhang, Y.: Processing Thermal Stability and Degradation Kinetics of Poly(vinyl Cholride)/Montmorillonites Composites, 1521
**Wan, C.-Y.** See Liang, Z.-M., 567
**Wang, A.** See Li, A., 1596
**Wang, B.** See Wang, Y., 2593
**Wang, C.** See Qu, R., 1646
**Wang, C.-S.** See Leu, T.-S., 410
**Wang, D.** See Pei, M., 2637; Zhang, X., 552
**Wang, F.** See Fu, R., 418
**Wang, H.**
—; Zhao, T.; Yan, Y.; Yu, Y.: Synthesis of Resol–Layered Silicate Nanocomposites by Reaction Exfoliation with Acid-Modified Montmorillonite, 791
—; See Qian, S., 1584

**Wang, H.-W.**
—; Chang, K.-C.; Chu, H.-C.; Liou, S.-J.; Yeh, J.-M.: Significant Dereased Dielctric Constant and Loss of Polystyrene–Clay Nanaocomposite Materials by Using Long-Cain Intercalation Agent, 2402
**Wang, I.-J.** See Yeh, J.-T., 2528
**Wang, J.-D.** See Xu, S.-M., 728
**Wang, J.-H.** See Yang, Z.-G., 1493
**Wang, K.-L.** See Liaw, D.-J., 2486
**Wang, L.**
—; Wang, X.; Huang, Y.: Optical Properties of Ethyl-cyanoethyl Cellulose/poly(acrylic acid) Cholesteric Liquid Crytalline Composite Films, 213
—; See Zhao, K., 3144
**Wang, M.**
—; Shen, Z.; Cai, C.; Ma, S.; Xing, Y.: Experimental Investigations of Polypropylene and Poly(vinyl chloride) Composites Filled with Plerospheres, 126
**Wang, P.-C.** See Kim, S.Y., 2082
**Wang, P.-y.**
—; Qian, H.-l.; Yu, H.-p.: Effect of 2-Mercaptobenzothiazole Level on Kinetics of Natural Rubber Vulcaniozation, 3260
**Wang, Q.** See Dong, J., 3542
**Wang, R.** See Zhou, C., **1758**
**Wang, S. J.** See Du, L. C., 1840
**Wang, S.-K.** See Huang, C.-F., 1824
**Wang, S.-Y.** See Shen, L.-Q., 1709
**Wang, W.-J.** See Kolodka, E., 307
**Wang, X.** See Fuchs, A., 1176; Qu, R., 1646; Wang, L., 213; Wu, D., 2714; Zhao, X., 997
**Wang, Y.**
—; Wang, B.; Shen, J.: Investigation on the Kinetic Mechanism of Structure Healing for Block Copolymer Materials After Large Elongation, 2593
—; See Chang, Y., 2023; Feng, Z., 1259; Song, W., 2076; Tang, J., 373
**Wang, Y.-J.**
—; Liu, W.; Sun, Z.: Effects of Glycerol and PE-*g*-MA on Morphology, Thermal and Tensile Properties of LDPE and Rice Starch Blends, 344
—; See Liu, W., 484
**Wang, Y.-M.** See He, W.-D., 2334
**Wang, Y.-Z.** See Chen, W.-Y., 892
**Wanke, S. E.** See Hammawa, H., 3549
**Watanabe, M.**
—; Hirai, T.: Bending-Electrostrictive Response of Polyurethane Films Subjected to a Reversed Electric Field, 3644
**Watanabe, T.** See Nonaka, T., 116
**Weese, J.** See Chen, Y., 363, 368
**Wei, C.-I.** See Chen, Y., 363, 368
**Wei, J.**
—; Zhao, X.; Yan, J.: Pore Structure of Water-Wettable Hydrophobic Resins Based on Divinylbenzene and Methyl Acrylate, 2681
**Wei, P.** See Liang, Z.-M., 567
**Wei, W.** See Qian, S., 1584
**Wei, Y.**
—; Cheng, F.; Li, H.; Yu, J.: Synthesis and Properties of Polyurethane Resins Based on Liquefied Wood, 351
**Weick, B.L.**
—; Al-Zubi, R.S.: Antioxidant Presence in Thick-Walled High-Density Polyethylene Materials After Rotational Molding, 3052
**Weng, Z.-X.** See Chen, X.-P., 619
**Wesslén, B.** See Andersson, T., 684
**Wessling, M.** See Nymeijer, D. C., 323
**White, J. L.** See Kim, Y., 1061
**White, L. A.**
—; Preparation and Thermal Analysis of Cotton–Clay Nanocomposites, 2125
**White, R. L.** See Hesse, N.D., 1293
**Wiegel, K. N.**
—; Griffin, A. C.; Black, M. S.; Schiraldi, D. A.: Memory Effects in Supramolecular Networks of Diacids and Polyfunctional Pyridine Derivatives, 3097
**Wilkes, G. L.** See Tamami, B., 883
**Williams, J. F.** See Chen, Y., 363, 368
**Winnubst, L.** See García, M., 1855
**Winston, K.** See Maaref, S., 317
**Won, J. C.** See Kim, J.-H., 178
**Wong, C. P.** See Rao, Y., 2228
**Wong, Y. C.**
—; Szeto, Y. S.; Cheung, W. H.; McKay, G.: Pseudo-First-Order Kinetic Studies of the Sorption of Acid Dyes onto Chitosan, 1633
**Worley, S. D.** See Chen, Y., 363, 368
**Wouters, M.** See Castell, P., 2341
**Wu, C.**
—; Gu, Q.; Zhang, R.; Huang, Y.; Chen, S.: Synthesis and Lyotropic Behavior of Mesgen-linked Cellulose Acetates, 2693
**Wu, C.-S.**
—; *In Situ* Polymerization of Titanium Ospropoxide in Polycaprolactone: Properties and Characterization of the Hybrid Nanocomposites, 1749
**Wu, D.**
—; Wang, X.; Song, Y.; Jin, R.: Nanocomposites of Poly(vinyl chloride) and Nanometric Calcium Carbonate Particles: Effects od Chlorinated Polyethylene on Mechanical Properties, Morphology, and Rheology, 2714
**Wu, J.** See Cheng, X.-H., 1037; Pei, M., 2637
**Wu, J.-J.V,** 2450
**Wu, L.**
—; Hoa, S.V.; Ton-That, M.-T.: Effects of Water on the Curing and Properites of Epoxy Adhesive Used for Bonding FRP Composite Sheet to Concrete, 2261
—; See Zhan, F., 3417
**Wu, L.-C.**
—; Yu, A.-F.; Zhang, M.; Liu, B.-H.; Chen, L.-B.: DMC Catalyzed Epoxide Polymerization: Induction Period, Kinetics, and Mechanism, 1302
**Wu, X.-F.** See Zhao, J.-B., 3333
**Wu, Y.** See Tang, L., 2923
**Wu, Z.-J.** See Guo, Z.-S., 3338

**Xia, Y.** See Dong, J., 3542
**Xiang, H.-W.** See Zhang, H.-H., 2363
**Xiang, X.** See Liu, Z., 2995
**Xiao, C.** See Liu, C., 559
**Xiao, H.-W.**
—; Huang, S.-Q.; Jiang, T.: Morphology, Rheulogy, and Mechanical Properties of Dynamically Cured EPDM/PP Blend: Effect of Curing Agent Dose Variation, 357
**Xie, C.-Y.** See Cheng, X.-H., 1037
**Xie, K.** See Hou, A., 2008
**Xie, Z.** See Huang, Z., 3605; Zheng, Z., 2733
**Xin, M.** See Fuchs, A., 1176
**Xing, Y.** See Wang, M., 126
**Xu, D.** See Pei, M., 2637; Zhang, X., 552
**Xu, D.-M.**
—; Zhang, K.-D.; Zhu, X.-L.: A Novel Dendritic Acrylate Oligomer: Synthesis and UV Curable Properties, 1018
**Xu, G.** See Qu, R., 1646
**Xu, H.** See Liao, M., 3430
**Xu, J.** See Zhang, Y., 722
**Xu, J. W.** See Zhao, W., 960
**Xu, L.**
—; Nagasawa, N.; Yoshii, F.; Kume, T.: Syntheses of Hydroxypropyl Methylcellulose Phthalate Gels

on Organic Solvents by Radiation Crosslinking, 3002
**Xu, Q.** See Chang, Y., 2023; Pan, Z. J., 901
**Xu, S.-M.**
—; Feng, S.; Yue, F.; Wang, J.-D.: Adsorption of Cu(II) Ions from an Aqueous Solution by Crosslinked Amphoteric Starch, 728
**Xu, T.** See Hu, K., 1478; Zhou, F., 1695
**Xu, W.** See Li, X., 2189
**Xu, X.-J.**
—; Chen, F.: Modified Emulsifier-Free Emulsion Polymerization of Butyl Methacrylate with Ionic or.and Noionic Comonomers, 3080
**Xu, Y.** See Pei, M., 2637
**Xu, Y.-Y.** See Shen, L.-Q., 1709; Zhang, H.-H., 2363
**Xu, Z.-K.** See Shen, L.-Q., 1709
**Xue, Q.** See Shao, X., 906

**Yamada, S.** See Amou, S., 1252
**Yamada, T.** See Ito, K., 1243; Sakaguchi, Y., 2903
**Yamakawa, R. S.**
—; Correa, C.A.; Hage, E., Jr.: Ifluence of Acrylonitrile–Butadiene–Styrene (ABS) Morphology and Poly(styrene-*co*-acrylonitrile) (SAN) Content on Fracture Behavior of ABS/SAN Blends, 2606
**Yamaki, S. B.** See Christoff, M., 830
**Yamane, Y.**
—; Kanekiyo, M.; Koizumi, S.; Zhao, C.; Kuroki, S.; Ando, I.: Preparation and Characterization of Highly Oriented Poly(γ-benzyl L-glutamate) Networks and Gels with Long Chabbels with Micrometer-Scale Diameters, 1053
**Yamaoka, H.** See Shimizu, Y., 2758
**Yamasaki, H.** See Hadano, S., 2658; Oishi, T., 2552
**Yamashita, K.** See Ito, K., 1243
**Yamauchi, K.** See Katoh, K., 683
**Yan, J.** See Wei, J., 2681; Zhao, X., 997
**Yan, Y.** See Wang, H., 791
**Yang, C.** See Qiao, J., 1459
**Yang, F.** See Tong, X., 3697
**Yang, G.**
—; Huang, Q.; Zhang, L.; Zhou, J.; Gao, S.: Miscibility and Properties of Blend Materials from Waterborne Polyurethane and Carboxymethyl Konjac Glucomannan, 77
**Yang, H.**
—; Zhou, S.; Deng, X.: Preparation and Properties of Hydrophilic–Hydrophobic Chitosan Derivatives, 1625
—; Zhu, S.; Pan, N.: Studying the Mechanisms of Titanium Dioxide as Ultraviolet-Blocking Additive for Films and Fabrics by an Improved Scheme, 3201
**Yang, I-K.**
—; Lai, W. Y.: Steady viscosity of polymer/liquid crytal biphasic system, 25
**Yang, J.** See Tang, L., 2923; Yuan, H., 2765, 2771
**Yang, L.-G.** See Lee, W.-F., 3422; QLee, W.-f., 3666
**Yang, L. M.** See Shim, V. P. W., 523
**Yang, M.**
—; Dan, Y.: Complexation of Poly(dimethylsiloxane)/Poly(mehtyl methacrylate-*co*-butyl acrylate-*co*-methacrylic acid) Latex with Poly(dimethylsiloxane)/Poly(vinyl acetate-*co*-butyl acrylate) Latex, 2522
—; See Zhang, X., 552
**Yang, N. C.**
—; Lee, C. I.; Kim, J. K.; Suh, D. H.: Dependence of Optical Properties on the Preapration Methods of Poly[(9,9′-dialkylfluorene-2,7-diyl)-*alt*-(1,3,4-oxadiazole-2,5-diyl)], 3112
**Yang, Q.** See Shen, L.-Q., 1709
**Yang, S.** See Zheng, Z., 2733
**Yang, W.** See Hu, K., 1478
**Yang, W.-T.** See Zhao, J.-B., 3333
**Yang, X.** See Li, P., 1124
**Yang, Y.** See Zhang, H.-H., 2363
**Yang, Z.-G.**
—; Zhao, B.; Qin, S.-L.; Hu, Z.-F.; Jin, Z.-K.; Wang, J.-H.: Study on the Mechanical Properties of Hybrid Reinforced Rigid Polyurethane Composite Foam, 1493
**Yanumet, N.** See Lekpittaya, P., 2629
**Yao, W.** See He, A., 2941
**Yao, W.-H.** See Yeh, J.-T., 2528
**Ye, F.-M.** See He, W.-D., 2334
**Yeh, J.-M.**
—; Chen, C.-L.; Chen, Y.-C.; Ma, C.-Y.; Huang, H.-Y.; Yu, Y.-H.: Enhanced Corrosion Prevention Effect of Polysulfone-Clay Nanocomposite Materials Prepared by Solution Dispersion, 631
—; Chen, C.-L.; Kuo, T.-H.; Su, W.-F.; Huang, H.-Y.; Liaw, D.-J.; Lu, H.-Y.; Liu, C.-F.; Yu, Y.-H.: Preparation and Properties of (BATB–ODPA) Polyimide–Clay Nanocomposite Materials, 1072
—; Liou, S.-J.; Lin, C.-G.; Chang, Y.-P.; Yu, Y.-H.; Cheng, C.-F.: Effective Enhancement of Anticorrosive Properties of Polystyrene by Polystyrene–Clay Nanocomposite Materials, 1970
—; Liou, S.-J.; Lu, H.-J.; Huang, H.-Y.: Enhancement of Corrosion Protection Effect of Poly(styrene-*co*-acrylonitrile) by the Incorporation of Nanolayers of Montmorillonite Clay into Copolymer Matrix, 2269
—; See Wang, H.-W., 2402; Yu, Y.-H., 3573
**Yeh, J.-T.**
—; Huang, S.-S.; Yao, W.-H.; Wang, I.-J.; Chen, C.-C.: Oxygen Permeation Resistance of Polyethylene, Polyethylene/Ethylene Vinyl Alcohol Copolymer, Polyethylene/Modified Ethylene Vinyl Alcohol Copolymer, and Polyethylene/Modified polyamide–Ethylene Vinyl Alcohol Copolymer Bottles, 2528
**Yeow, M. L.**
—; Liu, Y. T.; Li, K.: Morphogolical Study of Poly(vinylidene fluoride) Asymmetric Membranes: Effects of the Solvent, Additive, and Dope Temperature, 1782
**Yeum, J. H.** See Kim, S. S., 1426
**Yi, M.** See Liu, Z., 2995
**Yin, J.** See Liang, Z.-M., 567
**Yin, S.**
—; Merlin, A.; Pizzi, A.; Deglise, X.; George, B.; Sylla, M.: Structure–Property Relationship and Influences of Phenolic Compounds on the Mechanical and Thermomechanical Properties of UV-Cured Acylic Resin Networks, 3499
**Ying, K.-L.** See Chen, L.-P., 2232
**Yoon, J.-S.** See Park, E.-S., 1611, 3508
**Yoon, W. S.,** 1426
**Yoshii, F.** See Xu, L., 3002
**Yoshioka, T.** See Kurihara, S., 2577
**Yourtee, D. M.** See Smith, R. E., 62
**Yow, B. N.**
—; Ishiaku, U. S.; Ishak, Z. A. M.; Karger-Kocsis, J.: Kinetics of Water Adsorption and Hygrothermal Aging Rubber Toughened Poly(butylene Terephthalate) with and without

Short Glass Fiber Reinforcement, 506
**Yu, D.** See Li, P., 1124
**Yu, D.-G.**
—; An, J. H.; Bae, J. Y.; Lee, Y. E.; Ahn, S. D.; Kang, S.-Y.; Suh, K. S.: Preparation and Characterization of Titanium Dioxide Core/Polymer shell Hybrid Composite Particles Prepared by Emulsion Polymerization, 2970
**Yu, H.-p.** See Wang, P.-y., 3260
**Yu, J.,** 351
—; Liu, R. Y. F.; Poon, B.; Nazarenko, S.; Koloski, T.; Vargo, T.; Hiltner, A.; Baer, E.: Polymers with Palladium Nanoparticles as Active Membrane Materials, 749
**Yu, A.-F.** See Wu, L.-C., 1302
**Yu, Y.** See Li, P., 1124; Wang, H., 791
**Yu, Y.-H.**
—; Yeh, J.-M.; Liou, S.-J.; Chen, C.-L.; Liaw, D.-J.; Lu, H.-Y.: Preapration and Properties of Polyimide–Clay Nanaocomposite Materials for Anticorrosion Application, 3473
—; See Yeh, J.-M., 631, 1072, 1970
**Yuan, H.**
—; Lu, X.; Zeng, Z.; Yang, J.; Chen, Y.: Allyl Ether-Modified Unsaturated Polyesters for UV/Air Dual-Curable Coatings–I: Synthesis and Characterization of the Oligomers andd their Cured Films, 2765
—; Lu, Y.; Zeng, Z.; Yang, J.; Chen, Y.: Allyl Ether-Modified Unsaturated Polyesters for UV/Air Dula0Curable Coatings II UV and Air-Curing Behavior, 2771
**Yue, F.** See Xu, S.-M., 728
**Yun, J.**
—; Isayev, A. I.: Blends of ultrasonically devulcanized and virgin carbon black filled ethylene-propylene-diene monomer rubbers, 132
**Yun, S.-J.** See Park, E.-S., 1611
**Yuxiang, L.**
—; Gance, D.: Absorption of Trioctyl Trimellitate into Mass-Polymerization and Suspension-Polymerization Poly(vinyl Cholride), 2369

**Zachariah, S. R.** See Oommen, Z., 252
**Zafar, F.**
—; Sharmin, E.; Ashraf, S. M.; Ahmad, S.: Studies on Poly(Styrene-*co*-Maleic Anhydride)-Modified Polyesteramide-Based Anticorrosive Coatings synthesized from a Sustainable Resource, 2538
**Zahangir, A. M.** See Kurihara, S., 2577
**Zaikov, G. E.** See Kozlov, G. V., 2840, 3601; Ol'khov, A. A., 1392; Shelgaev, V. N., 2351
**Zanetti, M.**
—; Pizzi, A.; Faucher, P.: Low-volatlity acetals to upgrade the performance of melamine-urea-formaldehyde wood adhesive resins, 672
—; See Geller, B., 243
**Zeng, Z.** See Yuan, H., 2765, 2771
**Zha, L. S.** See Zhang, Y., 839
**Zhai, M.** See Liu, Z., 2995
**Zhan, F.**
—; Liu, M.; Gou, M.; Wu, L.: Preapration of Superabsorbent Polymer with Slow-Relaese Phosphate Fertilizer, 3417
**Zhang, B.-L.**
—; Chen, M.; Ao, N.-J.; Deng, W.-Y.; Liu, H.-L.: Study on Hot Air Aging and Thermooxidative Degradation of Peroxide Prevulcanized Natural Rubber Latex Film, 3196
**Zhang, B.-M.** See Guo, Z.-S., 3338
**Zhang, C.** See Chen, Z., 2777
**Zhang, F.** See Otsuki, T., 812
**Zhang, H.-H.**
—; Xiang, H.-W.; Yang, Y.; Xu, Y.-Y.; Li, Y.-W.: Depolymerization of Poly(trimethylene terephthalate) in Supercritical Methanol, 2363
**Zhang, J.** See Li, E., 1939; Liu, C., 171
**Zhang, K.-D.** See Xu, D.-M., 1018
**Zhang, L.**
—; Guo, J.; Peng, X.; Jin, Y.: Preparation and Release Behavior of Carboxymethylated Chitosan/Alginate Microspheres Encapsulating Bovine Serum albumin, 878
—; See Huang, C., 1; Yang, G., 77
**Zhang, M.** See Wu, L.-C., 1302
**Zhang, M. Q.** See Rong, M. Z., 1771
**Zhang, Q.** See Zhang, Y., 722
**Zhang, Q.-H.**
—; Luo, W.-Q.; Gao. L.-X.; Chen, D.-J.; Ding, M.-X.: Thermal Mechaical and Dynamic Mechanical Property of Biphenyl Polyimide Fibers, 1653
**Zhang, R.** See Wu, C., 2693
**Zhang, S.**
—; Miao, W.; Zhou, Y.: Reaction Study of Water-borne Polyurethanes Based on Isophorone Diisocyanate, Dimethylol Propionic Acid, and Poly(hexane neopentyl adipate Glycol), 161
—; See Gao, C., 2415; Tang, L., 2923; Zhang, X., 552
**Zhang, X.**
—; Yang, M.; Zhao, Y.; Zhang, S.; Dong, X.; Liu, X.; Wang, D.; Xu, D.: Polypropylene/Montmorillonite Composites and Their Application in Hybrid Fiber Preparation by Melt-spinning, 552
—; Tong, X., 3697
**Zhang, Y.**
—; Cai, Q.; Jiang, Z.; Gong, K.: Preparation and Properties of Unsaturated Polyester–Montmorillonite Intercalated Hybrid, 2038
—; Zha, L. S.; Fu, S. K.: Kinetic Analysis of Poly(*N*-isopropylacrylamide-*co*-dimethylaminoethyl methacrylate) Microgel Latex Formation, 839
—; Zhang, Q.; Cheng, K.; Xu, J.: A Novel Method for the Preparation of Monocarboxyl-End-Grouped Polycaprolactam with an Adjustable Molecular Weight, 722
—; See Jiang, X., 1437; See Lan, P., 2163; Liang, Z.-M., 567; Ni, X., 1945; Ren, W., 1804; Wan, C., 1521; Zheng, H., 638; Zhuang, D., 1279
**Zhang, Z.** See Zheng, Z., 2733
**Zhao, B.** See Yang, Z.-G., 1493
**Zhao, C.** See Yamane, Y., 1053
**Zhao, H.** See Tong, X., 3697
**Zhao, J.** See Zhao, W., 960
**Zhao, J.-B.**
—; Wu, X.-F.; Yang, W.-T.: Synthesis of Aliphatic Polyesters by a Chain-Extending Reaction with Octamehtylcyclotetrasilazane and Hexaphenylcyclotrisilazane as Chain Extenders, 3333
**Zhao, K.**
—; Sun, P.; Liu, D.; Wang, L.: Simple Method of Related Sensitivity Range to Predict the Thermodynamic Equilibrium Morphology of a Core-Shell Latex Particle, 3144
**Zhao, L.** See Feng, Z., 1259; Sun, X.-F., 53
**Zhao, Q.** See Chang, Y., 2023
**Zhao, T.** See Wang, H., 791

**Zhao, W.**
—; Zhao, J.; Chen, Y.; Xu, J. W.; Lu, X.: Viscosity-Reducing Effects of Two Semiflexible Liquid-Crystalline Polyesters with Different Chain Rigidities in a Matrix of Polycarbonate, 960
**Zhao, X.**
—; Wang, X.; Yan, J.: Water-Swelling Behavior of Hydrophobic Porous Copolymer Resins Composed of Two Kinds of Crosslinkers, 997
—; See Wei, J., 2681
**Zhao, Y.** See Pei, M., 2637; Zhang, X., 552
**Zhen, H.**
—; Jang, S.; Teo, W. K.: Sorption Studies of Volatile Organic Compounds in a Divinyl-Terminated Poly(dimethylsiloxane)–Oligo Polymer, 920
**Zheng, H.**
—; Zhang, Y.; Peng, Z.; Zhang, Y.: Influence of the Clay Modification and Compatibilizer on the Structure and Mechaical Properties of Ethylene-propylene-Diene Rubber/Montmorillonite Composites, 638
**Zheng, Z.**
—; Li, Y.; Luo, Y.; Su, S.; Zhang, Z.; Yang, S.; Gao, W.; Xie, Z.: Synthesis and Pyrolysis of Ti-Containing Precursors for Advanced Si/C/N/Ti-Based Ceramics, 2733
**Zhou, C.**
—; Chung, T.-S.; Wang, R.; Goh, A. H.: A Governing Equation for Physical Aging of Thick and Thin Fluoropolyimide Films, 1758
**Zhou, F.**
—; Liu, W.; Xu, T.; Liu, S.; Chen, M.; Liu, J.: Preparation of Silane-Terminated Polystyrene and Polymethylmethacrylate Self-Assembled Films on Silicon Wafer, 1695
**Zhou, J.** See Yang, G., 77
**Zhou, S.** See Yang, H., 1625
**Zhou, Y.** See Zhang, S., 161
**Zhu, J.** See Liao, M., 3430
**Zhu, S.** See Kolodka, E., 307; Yang, H., 3201
**Zhu, X.** See Li, X., 2189
**Zhu, X.-L.** See Xu, D.-M., 1018
**Zhu, Y.**
—; Sun, D.-x.: Preparation of Silicon Dioxide/Polyurethane Nanocomposites by a Sol-Gel Process, 2013
**Zhuang, D.**
—; Hogen-Esch, T. E.; Zhang, Y.: Rheological Investigation on the Interaction of a Fluorocarbon and Hydrocarbon Comodified PAA with a Nonionic Surfactant in the Presence of Salt, 1279
**Ziaee, F.** See Kavousian, A., 3368
**Zonca, M. R., Jr.** See Crivelo, J. V., 3303
**Zurina, M.**
—; Ismail, H.; Bakar, A. A.: Rice Husk Powder-Filled Polystyrene/Styrene Butadiene Rubber Blends, 3320

# Journal of Applied Polymer Science

# Subject Index to Volume 92


ABS, 461
Absorption, 3343
Accelerated Physical aging, 1758
Acetals, 672
Acidic groups, 830
Acrylamides, 3135
Acrylic acid, 1596, 2811
Acrylic acid (AAc), 2203
Acrylic resin, 3499
Acrylonitrile, 847, 1569
Acryloyl chloride, 2494
Activated carbon, 2045
Activation energy, 892, 1199, 1293, 1737, 2169, 2796, 2845, 3067, 3260
Activation evergy, 687
Additives, 1527, 2653, 3201
Adhesion, 109, 1037, 1486, 2341, 2538, 2790, 2811, 3046
Adhesives, 243, 672, 2261, 2665, 3514, 3721
Admicellar Polymerization, 2629
Adsorbent, 2908
Adsorption, 116, 728, 920, 1510, 1584, 1633, 1646, 2045, 2758, 3186, 3201, 3211, 3226, 3730
Adsorption for amino acids, 418
Adsorption of metal ions, 218
Ageing, 2261, 2724
Aging resistance, 95
air aging, 3196
Alcoflood polymer, 226
Alcohol, 3016
Alginate, 878
Alkali–methanol–anthraquinone pulping, 2132
Alkaline hydrolysis, 1724
Alkyl phosphonium, 2144
$\alpha,\alpha'$-dichlopolymerization, 2189
Alternating, 3240
Aluminum alkyls, 3549
Aluminum borate whiskers, 1950
Amidation, 1688
Amino acid, 1080, 1688
Amphiphilic polymers, 647, 658
Amphoteric ion exchange fiber, 418
Analysis (TGA), 3471
Anion exchange, 1375
Annealing, 1011
Anticoorosion, 3573
Antioxidants, 3052
Aromatic amine modifier, 567
Asorption, 1486
*Aspergillus niger*, 265
Association, 3466
Associative, 1279
Atactic, 1
Atomic force microscopy (AFM), 625, 937
Atomic oxygen, 1977
Atom transfer radical polymerization (ATRP), 1589
Atom-transfer radical polymerization (ATRP), 2189
ATR-FTIR, 1688
ATRP, 532
Avrami Parameters, 970
Azobenzene, 2577
Azodyes, 830

Barrier, 676, 1790, 2295, 2528
Bayer's liquor, 847
Behavior, 906
Benzisothiazolylazo, 3479
Benzothiazolylazo, 3479
Benzoxazole group, 178
Bilary stent, 2450
Biocidal polymers, 363, 368
Biocompatibility, 2082
Biodegradable, 295, 1790, 1840, 2082, 2514, 2706, 3231, 3266, 3492, 3508
Biodegradable polyesters, 3333
Biodegradation, 102, 265
Biofibers, 3537
Biomaterials, 1625, 2450, 2552, 3343
Biopolymer coatings and films, 335
Biopolymers, 757, 1392, 1633, 2514, 3537
Birefringence, 1534
Bis(diisopropyl)thiophosphoryl disulfide (DIPDIS), 1231
Biseeds emulsion polymerization, 2675
Bismaleimide, 2375
Bismaleimide (BMI), 3338
Blend film, 559
Blending, 2369, 2528, 2606
Blends, 1, 25, 72, 77, 102, 109, 132, 149, 410, 743, 804, 960, 1165, 1219, 1231, 1559, 1562, 1709, 1749, 2023, 2357, 2375, 2431, 2514, 2545, 2689, 2747, 2871, 3009, 3030, 3107, 3153, 3167, 3231, 3320, 3401, 3508, 3542, 3659, 3701
Block copolymers, 165, 295, 439, 532, 1208, 1219, 2189, 2431, 2593, 3492 2949
Blowing agent, 1875
Boger fluid, 1548
Bovine serum albumin, 878
Brittle, 1666
Buger model, 226
1,3-butadiene, 1945

Cadmium (II) and nickel (II) sorption, 1310
Caly, 928, 2269
Carbon black, 3387
Carbon nanotubes, 3394
Carboxymehtyl konjac glucomannan (CMKGM), 77
Catalysis, 722, 749
Catalysts, 53, 272, 1271, 1293, 1302, 1765, 1887, 2949
Cationic polymerization, 62, 3303, 3484
Cellulose acetate, 2693
cellulose acetate, 3479
Cellulosics, 3135
Cellulose, 2196
Cementitious materials, 2637
Ceramic precursor, 2733
Chain extension reaction, 1863
Chain-transfer reaction, 1695
Characterization, 307, 2151
Charge transfer, 280, 1459, 2777
Chelating agent, 218
Chelating ion exchange resin, 847
Chelating resin containing S and N atom, 1646
Chelation, 3119
Chemical modification, 3046
Chiral, 2577
Chitin, 1310
Chitosan, 559, 878, 915, 1584, 1993, 2758, 2930
Chlorinated polyethylene (PE), 1804
Cholesteric, 2693
Cholesteric liquid crystal (LC), 2577
Chondrocyte, 2790
*Chorella*, 812
Chromatography, 676, 2116
Ciprofloxacin, 3343
Clay, 543, 631, 638, 698, 791, 1061, 1072, 1510, 1955, 1970, 2101, 2144, 2402, 3573
Cluster model, 3761
Coatings, 625, 710, 733, 937, 1154, 1486, 2269, 2522, 2538, 2765, 2771, 2812 3159
Color filter resist, 43
Compatabilizer, 2545
Compatibility, 1950
Compatibilization, 252, 2431, 2581, 2871, 3088, 3231
Compatiblity, 3030

Composite, 2733
Composite films, 426
Composite particles, 2970
Composites, 126, 213, 394, 638, 782, 812, 906, 1023, 1037, 1392, 1527, 1658, 1834, 1893, 1950, 1984, 2211, 2253, 2284, 2425, 2577, 2581, 2706, 3218, 3320, 3524, 3610, 3697
Compounding, 1061
Compression, 523, 1553
Computer modeling, 2458, 2468
Concentration profiles, 991
Conducting composites, 2179
Conducting nanocomposites, 2220
Conducting polymers, 1367, 2076
Conductive fabric, 37
Conductive polymers, 2629
Conductivity, 592, 2179
Conductometric titration, 433
Cone calorimeter, 2326
Conformational analysis, 194, 901, 2486
Conjugated dienes, 1945
Conjugated polymers, 1346, 2941, 3112
Contact angle, 2395
Copolymerization, 31, 186, 839, 997, 1540, 2163, 2642, 2777, 2949, 3368
Copolymers, 2840
Copper, 373
Copper diffusion, 1422
Core-shell polymers, 1540, 3144
Corona discharge, 599
Corrosion, 631, 2269
Cosolvent mixture, 3211
Cotton, 2629
Coupling agent, 1388
Creep, 226, 1319
Critical micelle concentration, 3292
Critical surface energy, 335
Cross section, 1080
Crosslinked polyethylene (XLPE), 2169
Crosslinked polystyrene-supported 2,5-dimercapto-1,3,4-thiadiazole, 1646
Crosslinking, 288, 317, 394, 625, 757, 763, 1049, 1231, 1252, 1264, 1584, 1596, 2054, 2240, 2494, 2621, 2681, 2758, 2976, 3107, 3499, 3531, 3605
Crude oil, 226
Crystallization, 149, 201, 474, 484, 552, 970, 1562, 1680, 3097, 3492, 3508, 3610
Cure characteristics, 95
Cure kinetics, 687
Cure reaction, 43
Curing of polymers, 381, 625, 1604, 2038, 2387, 2538, 2558, 3067, 3338, 3605
Cylinder micropores, 3016
DBE, 351
Deformation, 1286
Degradation, 1432, 1576, 1840, 2278, 2316, 2601, 2658, 2724, 3167, 3247, 3471, 3630
Degree of crystallinity, 3761
Delignification, 2132
Denier, 1080
Density, 3651
Depolymerization, 2363
Dgree of polymerization, 1915
Diblck copolymers, 1863
Diblock coploymers, 2747
Dicyanate, 1955
Dielectric properties, 1061, 1252, 1869, 2228, 2402, 3401
Di-(2-ethylehexyl) phthalate (DOP), 2369
Differential scanning calorimetry, 733, 2008, 3484
Differential scanning calorimetry (DSC), 295, 381, 757, 970, 1190, 1534, 1680, 2169, 2514, 3030, 3067, 3338
Diffusion, 676, 920, 991, 1355, 1790, 2030, 2458, 2468, 2859, 2903
Diffusion of surrogates, 2845
Diffusivity, 3761
Diimide–diacid chloride, 2486
Diluent effect, 238
1,2-dimethoxyethane, 2284
1,3-dioxalane, 3355
Dioxiranes, 62
Dispersions, 2232, 3226, 3736
Distribution of carboxyl groups, 433
Dithiocarbamate-metal complexes, 218
Divinylbenzene, 847, 997
Divinylbenzene-methyl acrylate resins, 2681
Dopant, 37
Doxycycline, 3343
DP, 1847
Drawing, 1449, 1454, 1534
Drug controlled release, 1993
Drug release, 402
DSC, 1709, 2765
DSC-OIT, 3052
Ductile, 1666
Dye adsorption, 1375
Dye-binding, 3355
Dyeing properties, 3479
Dyes/pigments, 1116, 1633, 2961
Dynamic, 523
Dynamic cure, 1437
Dynamic mechanical analysis, 77, 426
Dynamic mechanical property, 357
Dynamic vulcanization, 2000

ECOiphotodegradation, 139
Elastic polymers, 2211
Elastomer, 3531
Elastomer particulate, 2155
Elastomers, 323, 698, 1611, 2569, 3009, 3644
Electrical properties, 915
Electrochemical, 373
Electrochemistry, 1346, 1939, 2076, 3186
Electron beam irradiation, 1049
Electron microscopy, 1208, 1219, 2431
Embedded passive, 2228
Emulsifier-minor emulsion polymerization, 2923
Emulsion, 25, 226
Emulsion polymerization, 402, 433, 839, 1813, 2522, 2884, 2970, 3080, 3144
Emulsion stability, 3292
Enantioselectivity, 3381
Encapsulation efficiency, 2970
Engineering polymers, 1737
Entanglements, 2689
Enzyme activity, 3135
Enzymes, 2116, 2724, 3126
Epichlorohydrin, 2054
Epoxidized guayule rubber (EGR), 493
Epoxy, 1950, 2261, 2375
Epoxy reactive diluent, 1199
Epoxy resin, 687, 892, 1437
Epoxy resins, 461, 1199
Equilibrium dialysis, 3355
Equilibrium morphology, 2675
ESCA/XPS, 2450
ESR, 2312
Esterification, 1618, 3266, 3381, 3417
Etched polypropylene, 1388
Ethylene-*co*-acrylic acid copolymer, 1688
Ethylene copolymers, 109
Ethylene–Propylene–diene monomer (EPDM), 1553
Ethylene-propylene-diene terpolymer, 357
Ethylene-propylene rubber, 2155
Ethylene–vinyl alcohol copolymer, 2069
2-ethylhexylacrylate, 3368
Europium, 3524
Expanding monomers, 62
Extrusio, 84
Extrusion, 1611, 1724, 1915

Fabrication, 418
Fastness properties, 3479
FEP, 2318
Ferroelectricity, 856
Fiber, 1493
Fibers, 552, 1011, 1023, 1037, 1183, 1449, 1454, 1534, 1540, 1653, 2017, 2054, 2420, 2581, 2637, 2989, 3186, 3218, 3593, 3730
Fibers/fabrics, 2812
Fibroblast cell, 599

Fick's law, 991
Filled NBR compounds containing phenol-formaldehyde resin, 95
Fillers, 394, 1231, 1658, 2253, 2425, 3531, 3744
Film surface modification, 2069
Films, 323, 676, 856, 937, 1243, 1392, 1695, 1790, 1813, 3201
Fire retardant, 3119
Flame retardance, 410, 2093, 2125, 2326, 2375
Flame-retardant, 1388
Flexural properties, 506
Fluopolymers, 2569
Fluorescence, 468, 1939
Fluorinated polyimide, 1422
Fluorine, 1977
Fluorocarbon, 1279
Fluoropolyimide, 1758
Fluoropolymers, 1061, 1144, 1977
Food packaging, 2845, 2859
Fractal analysis, 2558, 2840, 3601, 3761
Fracture, 139, 3721
Fracture strength, 1666
Fracture toughness, 506
Free-radical grafting copolymerization, 2203
Frequency, 592
Friction, 1855, 2689
Friction and wear, 906
FTIR, 84, 381, 817, 892, 1540, 1709, 1749, 2008, 2196, 2765, 2771, 2903, 3240, 3343, 3524
FT-IR, 1
Fullerene-$C_{60;}$ synthesis, 867
Functional barrier, 2845, 2859
Functionalization of polymers, 867, 979, 1589, 1902, 2116, 2303, 3417, 3730, 517517
Functionalized polypropylene (FPP), 3610
Furnaic resins, 2665

Gallium metal, 847
Gas permeation, 576, 676
Gas phase polymerization, 1945
Gas-phase polymerization, 3549
Gas sensor, 37
Gelatin, 1144, 1190, 1604, 1915, 3211
Gelation, 2552, 2621
Gel content, 1049
Gel permeation chromatography (GPC), 295, 1144, 1576
Gels, 1042, 1053, 1176, 2076, 3002
Glass fiber, 1834
Glass transition, 710
Glassy polymer, 1758
*Gliocladium virens*, 265
Gloss, 2538
Glycerol, 344
Glycolsis, 3040
Gradient composite, 373
Graft copolymer, 1569
Graft copolymerization, 3622
Graft copolymers, 517, 1310, 1397, 1702, 2030, 2442, 2612, 2658, 3022, 3371, 3466, 3471
Growth, 2884
Guar gum, 1569

HALS, 280
Hardness, 461, 3107, 3362
Hemicelluloses, 53
Heteroatom-containing polymer, 3333
Heteroatom-containing polymers, 1346
Heterocyclic polymer, 1516
Hg-lamp irradiation, 2599
High-density polyethylene, 3052
High-K, 2228
High perfomance liquid chromatography (HPLC), 3685
High-performance polymer, 1516
High performance polymers, 1252
High-performance polymers, 1653
High polymer contents, 3080
High speed spinning, 1724
Hologenated epoxides, 2558
HPLC, 607
Hyaluronic acid, 1731
Hydrogel, 1731, 3417
Hydrogels, 763, 915, 1310, 1467, 1473, 1486, 1625, 1893, 2411, 2552, 2612, 2642, 2930, 2995, 3381, 3651, 3666
Hydrogen bonding, 2802, 3097
Hydrophilic polymer, 3605
Hydrophilic polymers, 1589, 1625, 1709, 3022
Hydrophobic, 2069
Hydrophobic and electrostatic interaction, 24802480
Hydrophobicity, 2045
Hydrosilylation, 3292
Hydroxy-fluoroester pendant guayule rubber (FGR), 493
Hydroxyl supports, 288
Hydroxypropyl cellulose, 3135
Hygrothermal aging, 506
Hyperbranched, 1259, 1459
Hyperbranched polymers (HBPs), 1604

Imaging, 1053
Imine, 218
Immobilized lipase, 3135
Impact resistance, 928
Impact tests, 461
Impedance, 631
Indicator property, 2318
Infared difference spectrum analysis, 3196
Infared spectroscopy, 2076
Infrared spectroscopy, 6, 31
Inherent viscosity, 951
Initiator, 2442
Injection molding, 468, 2706, 3362
Inorganic core, 2970
Inorganic materials, 2733
Inorganic polymers, 1576
Inorganic UV-blocking agents, 3201
Interaction, 2790
Interface, 2334
Interfaces, 1037, 1243, 1771, 3697
Interfacial free energy, 2675
Interpenetrating networks, 915
Interpenetrating networks (IPN), 1473
Interpenetrating networks (IPNs), 817
Intumescent, 1388
Inverse stress relaxation, 1098
Inverse suspension polymerization, 619
Ion exchangers, 1478, 2908
Ionic or/and nonionic comonomers, 3080
Ionic sorption, 2468
Ionomer, 2545
Ionomers, 161
Irradiation, 394, 951, 1569, 2411, 3002
Isotactic poly(propylene) (iPP), 2203
Isotactic polypropylene (i-PP), 1534
Isothermal crystallization, 970

Joints, 243
Jute fiber, 3622
Jute yarn, 18

Kaolin modification, 3119
Kelen-Tudos, 2494
Kinetic analysis, 1521
Kinetic curves, 3601
Kinetics, 1302, 1765, 2261, 2480, 2599, 2976, 3196, 3260, 3338, 3484, 3651
Kinetics (polm.), 839, 2093
Kinetics (polym.), 381, 449, 892, 970, 1154, 1633, 2357, 2504, 2593, 2811, 3303, 3710
Korean *Dendropanax* lacquer, 625

Lactic acid/glycolic acid, 2163
Laser-induced polymers, 2387
Latex rubber film, 3196
Latices, 543, 733, 2522, 3080, 3226
Layered silicates, 1422
LCD, 43
LDPE, 3046
LDPE–EVA compounds, 1049
Lifetime estimation, 1737
Light-emitting devices, 1432
Light resistance, 1413
Light scattering, 2724, 3201
Light stabilizer, 1413
Lignin, 243, 3514
Lignocellulosic fillers, 426
Linalool, 1134
Linear low-density polyethylene (LLDPE), 2303

Lipase, 3381
Liquefied benzylated wood, 351
Liquid chromatography, 3685
Liquid Crystalline elastomers, 3755
Liquid-crystalline epoxies, 3721
Liquid-crystalline polymers, 213
Liquid-crystalline polymers (LCP), 960
Liquid crystals, 25
Liquid-crytalline polymers, 194
Liquid-phase poly-based retention (LPR), 2955
Liquid rubber, 3088
Lithography, 165, 1902, 2387
Living polymerization, 539
Long chain branching, 307
Low-density polyethylene (LDPE), 1702
Low earth orbit LEO), 1977
Luminescence, 1432, 3112, 3524
Lyotropic, 2693

Macromolecular coil, 2840
Macromonomers, 2955
Macroporous particles, 607
Macroporous polymers, 2681, 3186
Macrostructure, 1080
Magnetic field polymerization, 131
Magnetic polymers, 1527
Magnetic tape, 1319
MALDI, 2665
MALDI-TOF, 62
Maleated polypropylene, 1286
Maleated PP, 2581
Maleic anhydride, 812
Mark–Houwink's constants, 1134
Mass spectrometry, 1737
Maxwell model, 226
Mechaical properties, 95, 126, 139, 201, 344, 638, 782, 937, 1098, 1124, 1208, 1219, 1286, 1553, 1653, 1658, 1771, 1834, 1869, 2179, 2425, 2545, 2593, 2606, 2812, 2941, 2949, 2989, 3030, 3252, 3320, 3362, 3371, 3394, 3401, 3454, 3499, 3537, 3542, 3583, 3721
Mechanical property, 307
Mechanical strength, 861
Melamine phosphate, 892
Melt, 2514, 3675, 3761
Melt intercalation, 2144
Melt polymerization, 2163
Melt structure, 2101
Melting, 484
Melting point, 1680, 3610
Membrane, 2030, 2917
Membrane formation, 576
Membranes, 323, 920, 1005, 1478, 1709, 1782, 2284, 2955, 3126, 3275, 3659
2-mercaptobenzthiazole (MBT), 3260
Mercerization, 18
Mercuric ion, 1646
Mercury dithizonate, 830
Mesogen, 2693
Metal ion, 2908
Metal ions, 2955
Metallocene, 1824
Metallocene catalysts, 3009, 3549
Metal-polymer complexes, 218, 272, 1271, 2698, 2917, 3730
Metal–polymer complexes, 1310, 1367
(meth)acrylic acid, 2923
Methyl acrylate, 373, 1031
Methyl methacrylate, 2189, 2480
Methylaluminoxane (MAO), 1824
Methylated polystyrene, 368
Micellar copolymerization, 647
Micelle nucleation mechanism, 2923
Micelles, 1042, 1510
Microemulsion copolymerization, 2334
Microencapsulation, 517
Microeterogeneity, 2312
Microgels, 839, 1124, 2558
Micromechanical mechanism, 1219
Micromechanism, 1208
Microphase morphology, 351
Micropore size, 2790
Microspheres, 878
Microstructure, 433, 1116, 1493, 1893, 2076
Microwave, 1569
Microwave-assisted polycondensation, 951
Microwave irradiation, 2189
Microwave properties, 2220
*Miscanthus x giganteus*, 2132
Miscibility, 1, 77, 559, 743, 1165, 1559, 1716, 2312
Misibility, 1562
Mixing, 539, 2442, 2522
MMA-BA-St, 2923
Modeling, 523, 539, 1124, 1875, 2504, 2558, 2845, 2859, 2884, 2976, 3368, 3484
Modification, 6, 728, 1005, 2196, 2303, 2341, 2658
Modulus, 2989
Molecular modeling, 194
Molecular weight, 1426, 1672
Molecular weight distribution, 1945
Molecular weith distribution, 539
Monodisperse, 607
Monolithic controlled release devices, 2468
Monomer, 2442
Monomers, 2903
Montmorillonite, 238, 567, 1521, 2269, 3422, 3430
Morphology, 149, 252, 344, 357, 484, 539, 638, 804, 817, 1219, 1252, 1527, 1702, 1716, 1782, 2000, 2008, 2369, 2545, 2606, 2621, 2714, 2747, 3144, 3231, 3275, 3287, 3437, 3454, 3542, 3549, 3744

Nanocomposite, 2144, 2402, 3394, 3422, 3573
Nanocomposites, 238, 439, 474, 498, 543, 567, 631, 791, 798, 928, 1061, 1072, 1422, 1576, 1771, 1855, 1955, 1970, 2013, 2038, 2101, 2125, 2228, 2269, 2714, 3088, 3430
Nanoindentaiuton, 439
Nanolayers, 6
Nanoparticle, 2334
Nanoparticles, 402, 749
Natural fibers, 3320
Natural rubber, 2253, 3260
*N*-bromosuccinimide (NBS), 53
Nematic phase, 3755
Networks, 798, 883, 1053, 1264, 2558, 2930, 3097, 3499
Neural network, 474
*N*-halamine polymers, 363, 368
Nile Blue A, 830
Nitrile monomer, 3622
Nitroxide-mediated radical copolymerization, 1863
NLL, 2494
*N*-methylol acrylamide, 2923
NMR, 62, 937, 1053, 1847, 2151, 2569, 2665, 2771, 2903, 3167
Nonideal kinetics, 1134
Nonionic surfactant, 1279
Nonionic surfactants, 2395
Nonisocyanate, 883
Nonlinear optical (NLO), 317
Nonmodified and corona activated conifer wood flour, 95
Nonocomposites, 698
*n*th-(polymer)order reaction, 3338
Nucleation, 3610
Nylon, 252, 1023, 1449, 1454, 2023, 3492
Nylon 6, 37, 474
Nylon®6,6, 301
Nylon-6/silica system, 1855

Odor, 2253
Odor reduction, 2253
Olefin/paraffin separation, 323
Oligomer, 3437
Oligomers, 1576, 2765, 2771
Oligosilylstyrene, 2284
One-pot suspension polymerization, 1375
Optical properties, 335
Optical pyrometry, 3303
Optically active polymers, 951
Optics, 213, 1259
Organoclay, 2038, 3088
Organophilic clay, 3583
Orientation, 317
1,3,4-oxadiazole, 2777

Oxidative degradation, 3437
Oxidized polypropylene, 2871
Oxygen barrier, 335
Oxygen consumption, 3601
Oxygen incorporation, 3046
Oxygen permeability, 749, 2069
Oxygen permeation, 2528

PA6, 2871
Particle, 1493
Particle nucleation, 2724, 2884
Particle size distribution, 433, 2884
Pattern formation, 468
PCL-*g*-AA/$TiO_2$, 1749
PCL/$TiO_2$, 1749
Pectin, 1893
Pendent group, 2486
Penetration, 1413
Penicillum, 265
Peptides, 288
Percent graft yield, 3622
Performance improvement, 672
Permeability, 1072
Peroxide prevulcanized natural rubber latex, 3196
Pervaporation, 323, 1005, 2030
PET, 2845, 2859
*Phanerochaete chrysosporium*, 265
Phase diagrams, 576
Phase inversion, 576, 1165
Phase separation, 1053, 3659
Phase transfer catalysis, 2415
Phenolic resins, 2665
Phenols, 3052, 3499
4-phenyl acrylate, 2494
Phosphorus, 2326
Photochemistry, 84, 165, 1154
Photocrosslinking studies, 2494
Photocuring, 18
Photografting, 2341, 2811
Photoinitiator, 1618
Photoisomerization, 2577
Photolysis, 1154
Photophysics, 2777, 3112
Photopolymer, 43
Photopolymerization, 213, 317, 1154, 1618, 2903, 2930, 3303
Photoreactive Polyetherurethanes, 25992599
Photoresists, 165, 1902, 2494, 3240
Phthalazinone, 1516
Physicochemical properties, 1116
Physiomechanical properties, 3514
Piezoelectricity, 856
Pine wood, 1413
*Pinophilum*, 265
Plasma polymerization, 979
Plasma source ion implantation, 2069
Plastics, 410
*p*-nitrophenyl palmitate, 3135
Poisson's ratio, 1319
Poling, 856
Polyacrylamide, 1893
Poly(2-acrylamido-2-methylpropane sulfonic acid), 1731
Poly(acrylic acid), 1279, 2930
Polyacrylonitrile, 373
Poly(acylic acid), 743
Polyamide, 687, 1847
Polyamide 6, 1702
Poly(amide–imide)s, 951
Polyamides, 178, 301, 1005, 2017, 2240, 2504, 3022, 3173, 3492, 3744
Polyamines, 280
Polyaniline, 37, 171, 592
Poly(arylene amide imide)s, 1516
Polybetaine, 1042
Polybutadiene, 1680
Poly(butylene terephthalate), 506
Poly(butylene terephthalate) (PBT), 2326
Polycarbonate, 468
Polycarbonates, 72, 1165, 1840
Polycondensation, 178, 1516, 1765, 2240, 2415, 2486, 3333, 3447
Poly(2,6-dimethyl-1,4phenylene oxide), 2689
Polydimethylsiloxane, 2284
Polyehylene (PE), 812
Polyelectrollytes, 2698
Polyelectrolytes, 439, 763, 1510, 2232
Polyester, 1413
Poly(ester-imide), 2486
Polyesters, 72, 186, 1011, 1243, 1724, 1887, 2008, 2038, 2295, 2629, 2796, 3097, 3159, 3231, 3266
Polyetheretherketone (PEEKWC), 576
Polyetherimide, 1666, 1709
Polyethers, 1264, 1302
Poly(ether sulfones), 3659
Polyethylene, 102, 109, 265, 344, 1293, 3549, 3761
Poly(ethylene glycol), 1031
Poly(ethylene glycol) methacrylate, 3666
Polyethylene-grafted maleic anhydride (PE-*g*-MA), 344
Poly(ethylene oxide), 1562
Polyethylene (PE), 280, 307, 449, 1049, 1589, 2450, 2811
Poly(ethylene terephthalate) (PET), 2989, 3710
Polyethylenimine (PEI), 2196
(Poly(hydroxyethyl methacrylate), 915
Polyimide, 3573
Polyimides, 6, 178, 2240, 2415, 3030
Polyimines, 517
Polyisbutylene, 1548
Polylefin blend, 2155
Poly(maleic anhydride-*alt*-acrylic acid) [poly(MA-*alt*-AA)], 2698
Polymer, 631, 847, 1977
Polymer bead, 1375
Polymer blend, 2312
Polymer blends, 3275
Polymer complex, 1993
Polymer dispersed liquid crystlas (PDLCs), 2621
Polymer loading, 18
Polymer melt, 3601
Polymer melting, 243
Polymer-metal complexes, 2908
Polymer modication, 1902
Polymer relaxation, 2468
Polymer shell, 2970
Polymerization, 1939, 2480
Polymerization kinetics, 1955
Poly(methyl methacrylate), 2675
Polymides, 1072, 1367, 1653, 2211
Poly(*n*-alkyl methacrylate)s, 830
Poly(*N*-isopropylacrylamide), 743
Polynorbornene, 1824
Polyolefins, 804
Poly(*o*-toluidine), 592
Poly(*o*-toluidine *co* aniline), 592
Poly(Phenylene oxide), 1252
Polyphoshazenes, 2569
Polyphosphazene, 1993
Poly(phthalazine ether sulfone ketone), 906
Polypropylene, 109, 1388, 2155, 3371
Poly(Propylene), 201
Poly(propylene), 3247
Polypropylene homopolymer, 2871
Polypropylene/organomonymorillonite nanocomposite, 552
Poly(Propylene) (PP), 2949
Poly(propylene) (PP), 126, 928, 1437, 2017, 2341, 2581, 3126, 3275, 3454, 3593, 3675
Polypropylene wood flour composites, 1286
polyproylene, 357
Polyproylene (PP), 484
Polyquats, 363
Polysaccharides, 2653, 2658, 3022
Polysiloxanes, 532, 920, 2522, 2747, 3542
Poly(sodium acrylate), 619
Polystyrene, 218, 1397, 1672, 2023, 2116, 2402, 2675, 2689, 2747, 3107, 3320, 3367, 3542
Poly(styrene-divinylbenzene) particles, 607
Polystyrene (PS), 1970
Polytetrafluoroethylene (p-TFE), 733
Poly(thioether ketones), 1869
Polytitanosilazane, 2733
Poly(trimethylene terephthalate), 1724, 1765
Poly(trimethylene terephthalate) (PTT), 2363
Polyuretanes, 2045
Polyurethane, 883, 1493
Polyurethane foams, 1875

Polyurethanes, 161, 710, 1176, 2013, 3287, 3644
Poly(vinyl alcohol), 426, 743, 1562, 3211
Poly(vinyl chloirde) (PVC), 2714
Polyvinyl chloride, 567
Poly(vinyl chloride), 84, 782
Poly(Vinyl chloride) (PVC), 126
Poly (vinyl chloride) (PVC), 1521, 1915, 2369, 2442, 3167
Poly(vinyl pyrrolidone), 743
Polyvinyl siloxane impression materials, 2395
Polyzwitterions, 647, 658
Porous fibers, 1724
Porous polyimide membrane, 3016
Positive-temperature coefficient (PTC), 1611
Powders, 449
Prevulcanized latex, 3196
Printability, 3046
Processing, 201, 3167
Prolferation rate, 599
Properties, 3430
Protein adsorption, 599
Protein separation, 607
Proteins, 1486, 2116, 3231, 3685
PS/PPO, 2689
Pyrolysis, 2733

Quanternized poly(4-vinyl-*N*-butyl) pyridine, 559

Radiation, 394, 763, 2642, 2995, 3710
Radiation grafting, 2318
Radical polymerization, 1618, 1695, 3240, 3368, 3736
Raman spectroscopy, 171, 474, 901, 1984, 3394
Reaction mechanisms, 1199
Reactive extrusion, 871, 1672, 1702, 3675
Reactive polymers, 867
Reactive processing, 238, 2303, 2357, 3231
Reactivity ratio, 1134
Reactivity ratios, 2494, 3240
Reactor blend, 2155
Recovery, 226
Recycling, 84, 132, 1834, 3159, 3247
Refractive index, 1869
Reinforcement, 2637
Reinforcement construction, 2261
Relations, 2653
Relaxation, 2082, 2179, 2458, 2796
Release, 878, 2411
Renewable resources, 782, 2706, 2961, 3231
Resin, 2908, 3119
Resins, 288, 672, 817, 997, 1190, 2093, 2908, 3218, 3454, 3514, 3721
Resistivity, 1611, 2179
Resists, 1259
Resorcinol resins, 2665
Reverse osmosis, 1005
Reversed phase chromatography, 607
Rheological, 1279
Rheological properties, 2303
Rheological property, 1426
Rheology, 25, 186, 252, 307, 1176, 1548, 1604, 1915, 2000, 2220, 2369, 3153, 3561
Rheology property, 357
Rice starch, 344
Ring-opening polymerization, 1302, 3303
Rod-climbing, 1548
Rotational molding, 449, 3052
Rubber, 523, 543, 698, 798, 1023, 1486, 2425, 2941, 3371, 3387, 3401, 3508, 3531, 3561, 3583, 3644
Rubber, coatings, 493
Rubber toughened, 506
Rule of mixtures, 1319

SAXS, 937, 2431
SBS, 3430
Scanning electron microscopy, 1346
Scanning electron microscopy (SEM), 733
Second-order fluid, 1548
Seld-organization, 2013
Selectivity, 749, 1501, 2030
Self-assembly, 1144, 1695
Semihomogeneous, 1478
Semi-interpenetrating polymer networks (semi-IPN), 2995
Separation techniques, 749
Shape-memory polyurethane, 2812
Shear, 25, 2357
Short glassed fiber reinforced, 506
Silane-terminated polymer, 1695
Silica, 3531
Silicas, 498, 798, 1771, 2000, 2211
Silicones, 1611
Silicons, 1486
Silk, 1080, 1098
Silk fibers, 1116
Simulation, 991
Slicones, 1176
Smetic phase, 3755
Sodium allyl sulfonate, 373
Sol-gel, 2013
Sol-gel process, 498
Solid-state polymerization, 301, 317
Solubility, 2163
Solution properties, 3211, 3466
Sorption, 991
Soybean oil, 883
Space, 1977
Spider silk, 901
Spin label, 2312
s-PJA, 1426
SSP/PCL blend, 861
Stabilization, 280, 517, 3247, 3736
Starch, 484, 2151
Starch-CI/PCL blend, 1716
Step-growth polymerization, 3173
Stiffness, 928
Stimuli-sensitive polymers, 116, 2612, 3466
Storage modulus, 1319
Strain, 901, 2593, 3252
Strain-hardening, 2689
Strain Rate, 1553
Strength, 1183, 1493
Stress, 901, 3252, 3387
Strong-acid/weak-base, 418
Structure, 171, 498, 1011, 1098, 1286, 1527, 1939, 2017, 2665, 2681, 2840, 3430
Structure healing, 2593
Structure–properties relations, 1887
Structure-property relations, 543, 1183, 1771, 3593
Structure–property relations, 1098, 1116, 2606
Structure-property relationships, 2420
Structures, 418
Styrene, 3368
Styrene–acrylic acid, 2318
Styrene-maleic anhydride, 102
Styrene-malemide copolymers, 1863
Subdenier monofilamnet PP fiber, 2637
Suface tension, 658
Sugar cane bagasse, 426
Sugarcane bagasse, 53
Sulfonated polyetherimide, 1709
Sulfonation, 2318
Superabsorbent, 1596, 3422, 3666
Superabsorbent resin, 1618
Supercritical carbon dioxide ($SCCO_2$), 2203
Supercritical methanol, 2363
Supported catalysts, 1945
Supports, 31, 1271
Supramolecular, 3097
Surface activation, 2395
surface charge, 1375
Surface hydrophilicity, 2395
Surface modification, 1688, 2450
Surface tension, 3292
Surfaces, 856, 1243, 1589, 1724, 2420
Surfactant, 1144, 3226
Surfactants, 658, 839, 1510, 1813, 2629, 3080
Suspension, 1548
Sweet potato pulp, 861
Swelling, 272, 288, 757, 763, 997, 1042, 1355, 1473, 1625, 1804, 1813, 2612, 2995, 3002, 3417, 3630, 3651, 3666
Syndiotactic, 201, 1680
Syndiotactic polystyrene, 2144
Synthesis, 722, 1501, 1840, 1887, 1902, 2232, 2278, 2599, 2693, 3651

Telecelics, 2612
TEM, 791, 1397, 2013
Tenacity, 2054, 3622
Tensile properties, 461, 812
Tension, 523, 1553
Ternary blends, 2802
TGA, 1653, 1749
Thermal behavior, 1527
Thermal characteristics, 861
Thermal cluster, 3761
Thermal degradation, 1737
Thermal diffusivity, 72
Thermal dye transfer printing, 72
Thermal Properties, 2961, 3471
Thermal properties, 31, 53, 178, 186, 710, 722, 817, 1011, 1293, 1467, 1869, 1955, 2045, 2163, 2278, 2569, 2653, 2995, 3119, 3173, 3287, 3454, 3561, 3593, 3701, 3744
Thermal stability, 1521, 2132
Thermodynamics, 728, 3144, 3355
Thermogram, 3437
Thermogravimetric, 3471
Thermogravimetric analysis, 687
Thermogravimetric analysis (TGA), 951, 1737, 2326, 3173, 3514, 3710
Thermogravimetric–differential thermal analysis (TG–DTA), 2169
Thermogravimetry, 1199
Thermomechanical analysis (TMA), 381, 449
Thermooxidative degradation, 1737, 2840, 3196
Thermoplastics, 1559, 1737, 2000, 2706, 2961, 3231, 3561
Thermosets, 498, 1190, 1604, 1950, 2038, 2240, 2621, 3088
Thermostatic, 2976
Thin films, 979, 1758, 2599
Thin layer yielding, 1208
Thiophenylazo dyes, 3479
Thylene propylene rubber (EPR), 252
Time-temperature superpoksition, 3387
Time–temperature–transformation (TTT) diagram, 1190
$TiO_2$ particles, 906
Toughness, 139, 2606, 2714
Trace metal, 2908
Transitions, 301, 2796, 3524
Transport, 3097
Treeing, 2169
Triazene cationomers, 2599
Triazene diols, 2599
Tribology, 439, 2689
Trimethylolpropane triacylate, 1672
Triphenylphosphite, 3247
Tunsten(VI), 1584
Turbidmetric titration, 1993
Two-stage vulcanization, 1231

ULTEM®, 1666
Ultraviolet, 1432
Unsaturated polyester, 238, 1834
Urethane oil, 3040
Ultrasound, 132
UV radiation, 18
UV-vis spectroscopy, 2196, 2698
UV–Vis spectroscopy, 1984

Vanadium(V), 1584
Vapor–liquid equilibrium, 1875
Vinyl acetate, 1134
Vinyl carbazole, 2777
Viscoelastic properties, 523, 1672, 3252, 3387, 3401
Visco-elastic properties, 1355
Viscosimetry, 2698
Viscosity, 161, 647, 658, 710, 960, 1042, 1540, 3173
Visualization, 1165
Voids, 1243, 2976
Vulcanization, 2941, 3260, 3371

Waste, 2642, 2658
Waste-water treatment, 2284
Water, 2261
Water absorbency, 1596
Water adsorption, 95, 506, 619
Water flux, 3016
Water glass, 2211
Water retention, 1569, 1596
Water-soluble polymers, 116, 647, 658, 1847, 2917, 2955, 3022, 3466, 3605, 3736
Water-swellable copolymers, 997
Water uptake, 861
Water vapor permeability, 2812
Water wettability, 335
Water-wettability, 2681
Waterborne polyurethane (WPU), 77
WAXD, 2989
WAXS, 1449, 1454, 1984, 3593
Wear, 1855
Wear resistance, 2689
Weatherability, 493
Weld line, 3362
Wet phase separation, 3016
Wet spinning, 2054
Wettability, 2341
Wettability gradient, 599
Wetting power, 3292
Wood fusion, 243
Wood welding, 243
Wool, 3343

X-ray, 2008, 3159, 3583, 3710
X-ray diffraction (XRD), 3471
X-ray photoelectron spectroscopy, 1346

Zero-span tensile index, 2132
Ziegler-Natta polymerization, 3697